

Typical Number of Robberies per London Borough - Solution

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Daily XP 2052

Typical number of robberies per London Borough

In the video, you saw that the mean and median can both provide information about the typical value of a variable.

Here are three definitions representing the *mode*, *median*, and *mean*, along with their respective values for robberies in the London crimes dataset:

Add all values and divide by the number of observations	The London Borough where Robbery occurs most frequently	Sort all the data and take the middle value
1496.16	Westminster	1354.5

Looking at the table, what are the values of the **mean** and **median**?

Answer the question

50XP

Possible Answers

Select one answer

☒ Mean: 1496.16 ; Median: Westminster

PRESS 1

☐ Mean: 1354.50 ; Median: 1496.16

PRESS 2

☐ Mean: 1496.16 ; Median: 1354.50

PRESS 3

☐ Mean: Westminster ; Median: 1354.50

PRESS 4

Take Hint (-15 XP)

Submit Answer

Question

In the video, you saw that the mean and median can both provide information about the typical value of a variable.

Here are three definitions representing the mode, median, and mean, along with their respective values for robberies in the London crimes dataset:

- Add all values and divide by the number of observations: **Mean:**
1496.16

- The London Borough where Robbery occurs most frequently: **Mode:**
Westminster

- Sort all the data and take the middle value: **Median: 1354.5**

Looking at the table, what are the values of the **mean** and **median**?

Instructions

Choose the correct combination of the mean and median values from the given options.

Solution

Correct Answer:

- **Mean: 1496.16; Median: 1354.5**

Solution Explanation

1. The **mean** is calculated by summing all the values and dividing by the number of observations. Here, the mean is **1496.16**.
2. The **median** is the middle value when the data is sorted. Here, the median is **1354.5**.
3. The **mode** represents the value or category that occurs most frequently. Here, the mode is **Westminster**, which is not part of this specific question.
4. The correct combination of **mean** and **median** is: **1496.16 (mean); 1354.5 (median)**.