

Data Handling

Chapter 22: Data Handling · Topic 1

Key Concept

A frequency table organises data by showing how often each value or category occurs, making large datasets easier to understand.

The mean (average) is found by adding all values and dividing by the count, while the median is the middle value when data is ordered.

The mode is the value that appears most frequently in a dataset, useful for understanding common occurrences.

These statistical measures and tools help us summarise, interpret, and draw conclusions from data in various real-life contexts.

Quick Revision Notes

- A frequency table shows how often values occur.
- Mean is the average: $\text{sum} \div \text{count}$.
- Median is the middle value when ordered.
- Mode is the most frequent value.
- These measures summarise data.
- They help interpret and draw conclusions.
- Data handling applies to real-life contexts.
- Tools like graphs also help visualise data.

Practice Questions

- 1 Find the mean, median and mode of 5, 7, 7, 9, 12.
- 2 Create a frequency table for a small dataset.
- 3 Discuss why mean, median and mode can differ.
- 4 Collect data and calculate its mean.
- 5 Discuss a real-life use of the mode.
- 6 Solve two data handling problems.