

Statistics

Chapter 7: Statistics · Topic 1

Key Concept

Data can be organised into frequency distribution tables, showing how often each value or range of values occurs in a dataset.

Measures of central tendency - mean, median, and mode - summarise data using a single representative value.

Graphical representations like histograms, bar graphs, and frequency polygons help visualise data distributions for easier interpretation.

Understanding statistics helps us analyse trends, make comparisons, and draw meaningful conclusions from data in various fields.

Quick Revision Notes

- Data organised in frequency distribution tables.
- Shows how often values occur.
- Central tendency: mean, median, mode.
- These summarise data with one value.
- Graphs: histograms, bar graphs, frequency polygons.
- These visualise data distributions.
- Statistics helps analyse trends, compare data.
- It helps draw meaningful conclusions.

Practice Questions

- 1 Create a frequency distribution table for sample data.
- 2 Calculate mean, median, mode for a dataset.
- 3 Create a histogram for the same dataset.
- 4 Discuss why statistics matters in daily life.
- 5 Research a real-world use of statistics.
- 6 Explain measures of central tendency in your own words.