Collecting/classifying data

6 questions | 12 marks

Equivalent correct methods earn the corresponding marks.

1. Classify books borrowed weekly. [2 marks]

It counts whole books.

Answer: Discrete numerical.

2. Classify classroom temperature. [2 marks]

It is a measured quantity.

Answer: Continuous numerical.

3. Classify poor/satisfactory/good/excellent ratings. [2 marks]

The categories have an order, not necessarily equal gaps.

Answer: Ordinal categorical.

4. A time column mixes hours and minutes. What is required? [2 marks]

0.5 hour is 30 minutes.

Answer: Verify then convert all values to common units.

5. Two rows have the same student/date. What should be checked? [2 marks]

Delete only a confirmed duplicate under a documented rule.

Answer: Whether there is a duplicate entry or two legitimate observations.

6. Give an advantage and limitation of government secondary data. [2 marks]

Check source and coverage before use.

Answer: It saves collection effort; definitions/date/population may not match the question.