

Categorical, ordinal and bivariate data

Variant 3

Instructions

- Write all answers in the spaces provided.
- Answer all questions.
- You must show all your working.
- There may not be enough space to show all your working out.

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Advice

- You can get support for all these questions at our website: www.statsgcse.com
- This paper and more are available on our site with questions that change subtly after each attempt.
- Good luck!

- 1 A researcher records the height and weight of individuals.
Select the type of data.

(1 mark)

Select **one** box.

- Categorical
 Bivariate

- 2 A company plans to categorise employee ages for pension planning.
The tally chart below will be used.

Age	Tally
20 - 40	
40 - 60	
60 - 80	

Suggest two criticisms with this tally chart.

(2 marks)

Select **two** boxes.

- There are too many groups
 The company should also record hours worked
 Cannot record ages under 20
 The groups overlap

- 3 A scientist is exploring how temperature affects plant growth.
Give an example of bivariate data that could be collected.

(2 marks)

Select the **two** correct statements (**four** statements are incorrect).

- Leaf colour
- Soil temperature
- Plant species name
- and pot shape
- and garden size
- and plant height