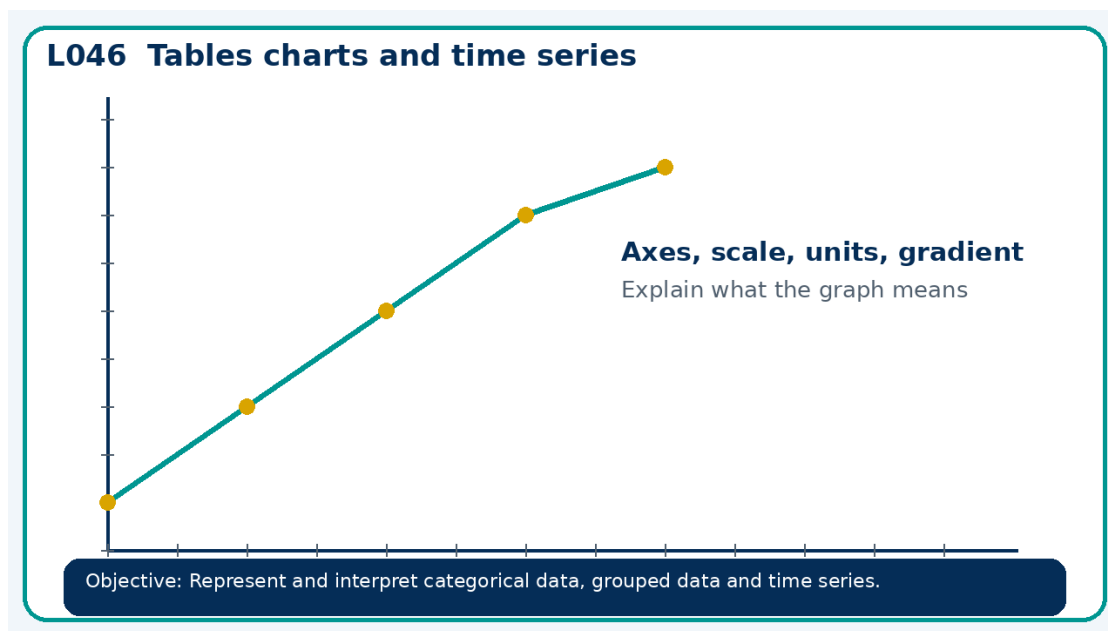


Learner workbook: Tables charts and time series

Objective: Represent and interpret categorical data, grouped data and time series.

Calculator condition: Non-calculator core; calculator optional only for checking where labelled.



Connect & Check

- State the objective and timeline. Retrieve sampling and data quality or a prerequisite. Diagnose a common error before modelling.
- Write one starting question you want answered today.

Choose your route

Route A: Visual Use a diagram, graph, table or annotation first.	Route B: Method Use a worked method, formula or calculation chain first.	Route C: Explain Start with words: what is known, what is changing, and why.
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Share

- Pairs compare methods or predict a result for tables charts and time series. Ask for a reason, not only an answer.

Present

- Choose a suitable chart; check labels, scale and misleading presentation

Apply: supported to independent

Recall: Retrieve the key fact or method needed for tables charts and time series.

Working: _____

Check/explanation: _____

Core practice: A pie chart represents 72 people. A sector angle is 135° . Find its frequency.

Working: _____

Check/explanation: _____

Reasoning: A time-series graph starts its vertical axis at 90 instead of 0. Does this make the data wrong? Explain the risk.

Working: _____

Check/explanation: _____

Exam-style: Solve an exam-style problem involving tables charts and time series. Show working, include a check and interpret your answer.

Working: _____

Check/explanation: _____

Recall & Review

- Revisit the objective. Learners solve a fresh item without prompts, explain a check, correct one error and record the next practice.

WWW: _____ EBI: _____

Recall & Review: feedback and extension integration

Lesson L046: Tables charts and time series

Objective: Represent and interpret categorical data, grouped data and time series.

Timing for a 60-minute lesson

0-7 Connect & Check; 7-14 Share; 14-25 Present/model; 25-44 Apply route choice/practice; 44-52 independent exam-style check; 52-60 Recall & Review, WWW/EBI and next step.

Recall & Review evidence

At the end of the lesson, solve a fresh question without prompts, explain one check, correct one error and record the next practice step.

What Went Well (WWW)

I selected an appropriate statistic or representation and supported my comparison or interpretation with specific evidence from the data.

Even Better If (EBI)

I will quote the relevant values or features, compare like with like and explain what the evidence shows without making an unsupported claim.

Integrated stretch and deep challenge

Stretch: A pie chart represents 72 people. A sector angle is 135° . Find its frequency.

Deep challenge: A time-series graph starts its vertical axis at 90 instead of 0. Does this make the data wrong? Explain the risk.

My next-step response
