

Choose appropriate forms of display or visualisation for a given...

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Learning intention

- choose appropriate forms of display or visualisation for a given type of data; justify selections and interpret displays for a given context

Teach and model

- comparing data displays using mean, median and range to describe and interpret numerical data sets in terms of centre and spread using histograms, dot plots, or...
- choosing the type of representations based on the data type: categorical (nominal or ordinal) or numerical (discrete or continuous)
- using different visualisations of data, including non-standard representations such as infographics, and discussing their purpose, intended audience; evaluating how...

Check understanding

- Explain the main idea in choose appropriate forms of display or visualisation for a given... using an example.
- Show the idea in a second way: with words, a model, a diagram or symbols.
- Apply the idea to a short unfamiliar situation and justify the result.

Teaching cautions

- Ask the student to explain their choice, not only state an answer.
- Check that key vocabulary is understood in a new example.
- Mix representations so the skill is transferred rather than copied.

Quick lesson sequence

- Connect to prior knowledge and introduce the key vocabulary.
- Model one clear example, then solve a second example together.
- Finish with an independent check and a short student explanation.