

Plan and conduct statistical investigations involving data for discrete and...

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Learning intention

- plan and conduct statistical investigations involving data for discrete and continuous numerical variables; analyse and interpret distributions of data and report findings in...

Teach and model

- conducting an investigation to draw conclusions about whether teenagers have faster reaction times than adults
- conducting an investigation to support claims that a modification of a Science, Technology, Engineering and Mathematics (STEM) related design has improved...

Check understanding

- Explain the main idea in plan and conduct statistical investigations involving data for discrete and... 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.