

Plan and conduct statistical investigations involving the collection and analysis...

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Learning intention

- plan and conduct statistical investigations involving the collection and analysis of different kinds of data; report findings and discuss the strength of evidence to support...

Teach and model

- planning and conducting an investigation using questions together with analysis of secondary data set collected from online data bases such as the Australian Bureau of...
- planning and conducting an investigation relating to consumer spending habits; modelling market research on what teenagers are prepared to spend on...
- investigating where would be the best location for a tropical fruit plantation by conducting a statistical investigation comparing different variables such as the...

Check understanding

- Explain the main idea in plan and conduct statistical investigations involving the collection and analysis... 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.