

Plan and conduct statistical investigations of situations that involve bivariate...

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Learning intention

- plan and conduct statistical investigations of situations that involve bivariate data; evaluate and report findings with consideration of limitations of any inferences

Teach and model

- designing statistical investigations that collect bivariate data over time through observation, experiment or measurement; graphing, interpreting and analysing data...
- investigating anecdotal claims including those concerning climate, housing affordability and natural resources, with consideration of data validity and limitations...
- using a statistical investigation to address the question, "Is there a relationship between vaccines and immunity from a virus"

Check understanding

- Explain the main idea in plan and conduct statistical investigations of situations that involve bivariate... 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.