

Plan and conduct statistical investigations involving samples of a population...

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Learning intention

- plan and conduct statistical investigations involving samples of a population; use ethical and fair methods to make inferences about the population and report findings...

Teach and model

- using data such as electricity consumption to draw conclusions about the impacts of events, such as pandemics, on households or business
- identifying situations where the collection of data from a sample is necessary due to efficiency, cost or restricted time for collection of data, and sufficiently reliable for...

Check understanding

- Explain the main idea in plan and conduct statistical investigations involving samples of a population... 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.