

Conduct statistical investigations, collecting data through survey responses and other...

conduct statistical investigations, collecting data through survey responses and other methods; record and display data using digital tools; interpret the data and communicate the results

Learning intention

- conduct statistical investigations, collecting data through survey responses and other methods; record and display data using digital tools; interpret the data and...

Teach and model

- creating a survey to collect class responses to a preferred movie choice, and recording data responses using spreadsheets; graphing data using a column graph or other...
- conducting a statistical investigation and acquiring data from different online sources; for example, using online query interfaces to select and retrieve data from an online...
- investigating different contexts in which statistical investigations can take place and the types of questions to ask to collect data relevant to the context; for example...

Check understanding

- Explain the main idea in conduct statistical investigations, collecting data through survey responses and other... 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.