

Acquire data for categorical variables through surveys, observation, experiment and...

acquire data for categorical variables through surveys, observation, experiment and using digital tools; sort data into relevant categories and display data using lists and tables

Learning intention

- acquire data for categorical variables through surveys, observation, experiment and using digital tools; sort data into relevant categories and display data using...

Teach and model

- posing a question of interest about favourite things; for example, asking classmates what are their favourite types of fruit, football teams, days of the week, and recording...
- investigating questions, such as "How much rubbish is really rubbish?" by gathering data about objects in categories; for example, throw away, recycle and reuse; deciding...
- using familiar software or generative artificial intelligence tools, to construct a survey to collect class data, sorting and interpreting responses, and considering the...

Check understanding

- Explain the main idea in acquire data for categorical variables through surveys, observation, experiment 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.