

Analyse the effectiveness of different displays or visualisations in illustrating...

analyse the effectiveness of different displays or visualisations in illustrating and comparing data distributions, then discuss the shape of distributions and the variation in the data

Learning intention

- analyse the effectiveness of different displays or visualisations in illustrating and comparing data distributions, then discuss the shape of distributions and the variation...

Teach and model

- suggesting questions that can be answered by a given data display and using the display to answer these questions
- interpreting data representations in the media and other forums where symbols represent one-to-many relationships and how this can be challenging when the...
- comparing different student generated diagrams, tables and graphs, describing their similarities and differences and commenting on the usefulness of each...

Check understanding

- Explain the main idea in analyse the effectiveness of different displays or visualisations in illustrating... 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.