

Statistically informed arguments presented in traditional and digital media; discuss...

identify statistically informed arguments presented in traditional and digital media; discuss and critique methods, data representations and conclusions

Learning intention

- identify statistically informed arguments presented in traditional and digital media; discuss and critique methods, data representations and conclusions

Teach and model

- investigating data representations in the media and discussing what they illustrate and the messages the people who created them might want to convey
- evaluating reports and secondary data relating to the distribution and use of non-renewable resources around the world
- identifying potentially misleading data representations in the media; for example, graphs with broken axes or non-linear scales, graphics not drawn to scale, data not...

Check understanding

- Explain the main idea in statistically informed arguments presented in traditional and digital media; discuss... 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.