

List the possible outcomes of chance experiments involving equally likely...

list the possible outcomes of chance experiments involving equally likely outcomes and compare to those which are not equally likely

Learning intention

- list the possible outcomes of chance experiments involving equally likely outcomes and compare to those which are not equally likely

Teach and model

- discussing what it means for outcomes to be equally likely and comparing the number of possible and equally likely outcomes of chance events; for example, when drawing a...
- discussing how chance experiments that have equally likely outcomes can be referred to as random chance events; for example, if all the names of students in a class are...
- investigating how bias and fairness can relate to outcomes being equally and not equally likely, and discussing how this might inform strategies for mitigating bias in AI...

Check understanding

- Explain the main idea in list the possible outcomes of chance experiments involving equally likely... 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.