

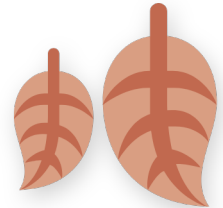


AI learns patterns from examples, but examples can be limited or mislabeled.

Check what the examples show. Choose an answer and explain your reason.

Maya's Leaf-Sorting Helper

Maya wanted to make a AI helper that could sort maple leaves and oak leaves. She showed it labeled photos: the maple leaves were red, and the oak leaves were yellow.



When Maya tested it with a new green maple leaf, the helper guessed "oak." Maya looked back at the examples. Maybe the helper had relied too much on color because it had not seen enough different leaves.

Maya added correctly labeled pictures of green, red, and yellow maple and oak leaves. Then she tested the helper with new pictures it had not practised on. It sorted more of them correctly, but it still made a few mistakes.

Maya learned that examples can help an AI system find patterns and make guesses. The helper did not understand leaves like a person. Maya still checked its guesses.

COMPREHENSION QUESTIONS

(1) What did Maya want her AI helper to sort?

(2) What pattern might have led the helper to mislabel the green maple leaf?



(3) Why did Maya add correctly labeled leaves of different colors?

(4) After adding examples, what did Maya do, and why did she still check the helper's guesses?

