Name

How AI Improves

Artificial Intelligence (AI) improves through a chain of causes and effects.

Input (Cause): The Al receives data.

Output (Effect): The Al produces a result.

Feedback (Cause): Someone tells the AI if it was right or wrong.

Retraining (Effect): The Al updates itself so it can do better next time.

When all four steps connect, the AI gets smarter. If one step is missing, the loop breaks.

Example Scenario

Let's follow a story about an AI called **PhotoBot**, which is learning to recognize animals.

Read each part of the story. After each step, write whether it is:

- Step: Input, Output, Feedback, or Retraining
- Role: Cause or Effect

1. <i>F</i>	A person	uploads a	photo of their	doa into	PhotoBot
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Step:	Role:	KI I
2. PhotoBot looks at the ima	ge and says: "This is a cat."	COACH
Step:	Role:	8
3. The person replies: "That's	wrong. This is actually a dog."	L ut
Step:	Role:	
4. PhotoBot updates its syste	em so next time it will correctly	call the photo a dog.
Step:	Role:	

<u>Reflection</u>

- 1. Why do you think PhotoBot made the mistake in Step 2?
- 2. If the person had skipped Step 3, what would happen to PhotoBot?
- 3. Which step is most like when you learn from a teacher's correction?

