

Error-Injected Text - Understanding AI Systems Answer Key

1. The system produces an output before it processes the data.

Corrected: The system processes the input data first and then produces an output.

2. The feedback loop turns spoken words into text by breaking them into tokens.

Corrected: The system uses processing to turn spoken words into tokens and text; the feedback loop comes later to improve the system.

3. The dataset is the trained decision-making part of the system that predicts answers.

Corrected: The model is the trained decision-making part; the dataset is the collection of information used to train the model.

4. Once the system has chosen a response, it uses processing to play the answer out loud through the speaker.

Corrected: Once the system has chosen a response, it produces an output by playing the answer through the speaker.

5. The model gathers ratings and corrections from users to improve over time.

Corrected: Feedback gathers ratings and user corrections, which are then used to improve the model over time.

Reflection Question (Sample Responses)

Why do you think spotting errors in explanations is a good way to learn how AI systems work?

- *Sample Answer 1:* Because it forces me to really think about the steps and understand which part belongs where.
- *Sample Answer 2:* It helps me notice common confusions, like mixing up data, processing, and the model.
- *Sample Answer 3:* Fixing errors makes the sequence stick in my memory better.