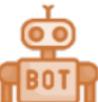




Few Unlabeled Observations



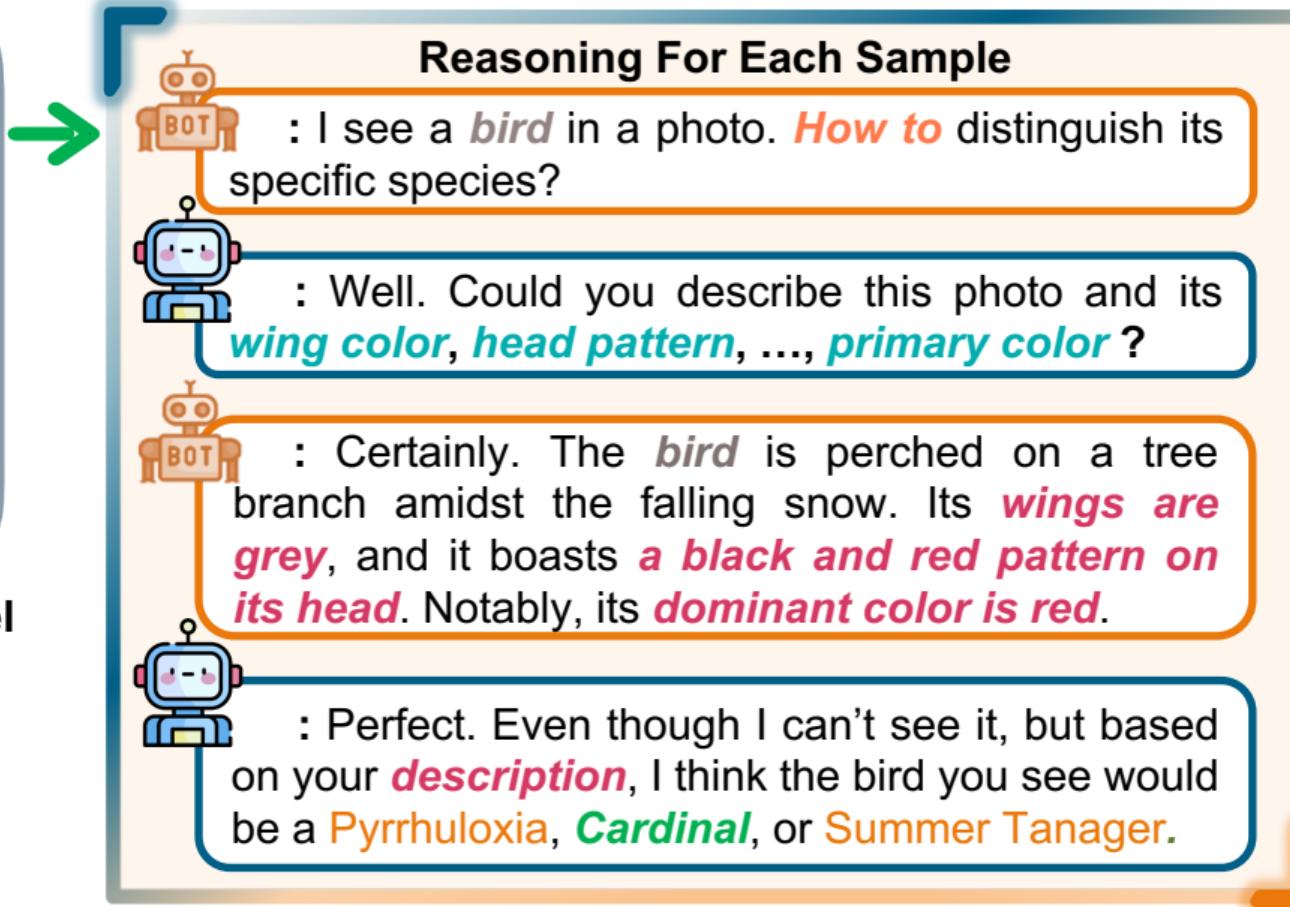
Visual Question Answering Model



Large Language Model



Vision-Language Model



Gadwall **Cardinal ✓**
Red Eyed Vireo Lincoln Sparrow
...
Rusty Blackbird Tropical Kingbird

Semantic Classification with Reasoned Concepts

Inference

Reasoning Concepts from Observations