

# Problem Setting

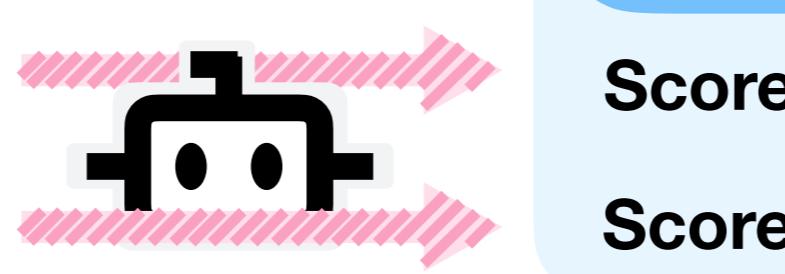
Q: what is soil degradation?

A1: Soil degradation is the decline in soil quality caused by its improper use or poor management, leading to reduced fertility and productivity.

A2: Soil degradation is the decline in a soil's ability to support plant life and ecosystem functions. It happens when ... Common causes include ...



- LLM-as-a-Judge: Given instruction and response, decide if the response is good (better).



Pointwise Rating

Score: 7  
Score: 9

Listwise Ranking

A2 ↑  
A1 ↓

Pairwise Ranking

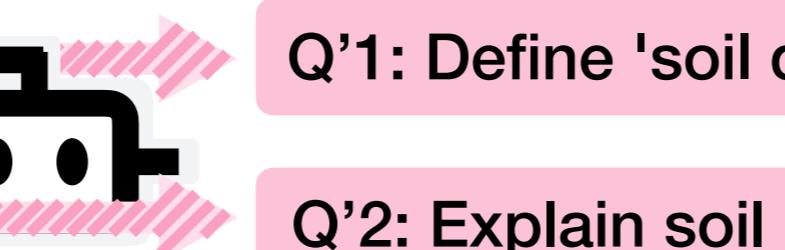
A1 < A2



or

or

- FLIP: Given response, infer instruction, check the similarity with the original instruction.



Q'1: Define 'soil degradation'.

$$f_1(Q, Q'1) = 0.57$$

Q'2: Explain soil degradation, and its causes.

$$f_1(Q, Q'2) = 0.4$$

