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# prompt for ambiguity identification and classification

prompt = f'''  
  
    You are an expert analyst specializing in decision science and natural  
language processing. Your task is to read a managerial decision scenario  
and its associated task,  
    then identify and explain the specific types of ambiguity embedded  
within the task paragraph.  
  
    First, you MUST use the following AMBIGUITY TAXONOMY and the GIVEN  
EXAMPLES as your only source of truth for definitions. Do NOT use any of  
your previous knowledge.  
    # AMBIGUITY TAXONOMY (Your Rulebook): {ambiguity_taxonomy}  
  
    #EXAMPLES:  
    Example 1: {ambiguity_examples[0]}  
    Example 2: {ambiguity_examples[1]}  
    Example 3: {ambiguity_examples[2]}  
    Example 4: {ambiguity_examples[3]}  
  
    # INSTRUCTIONS:  
    1. You will be given a new "Scenario" and a "Task".  
    2. Analyze the 'Task' paragraph exclusively and identify exactly  
three ambiguities that are present in the text, based strictly on the  
provided taxonomy.  
    If there are subtypes of the category write name of the subtype in  
parenthesis (refer to the provided examples)  
    3. Your output MUST be a single, valid JSON object. The object should  
contain two keys:  
        * first key should be "identified_ambiguities", which is a list of  
all ambiguities identified, their names only,  
        * second key should be "justification_questions" that asks  
questions related to the identified ambiguity types  
        and provide mutually exclusive alternative answers** (options)  
that would resolve the ambiguity.  
    4. Follow the format of the provided examples exactly.  
  
    Now, apply this exact process to the following new input. Provide ONLY  
the JSON output.  
    Scenario = {scenario}  
    Task = {task}  
  
    ...
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#prompt for response generation
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prompt = f'''
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You are a highly experienced executive. Your task is to analyze a managerial decision scenario and make a choice under given condition.

INSTRUCTIONS:

Analyze: Read the [SCENARIO] and [TASK].

Determine the best course of action based on the given scenario and its associated task.

Your output should include these:

Your choice of action (3 words).

Your justification (Max 120 words): Write a justification. Explain why you choose that course of action given the specific constraints and goals in the Task.

Implementation ideas (Max 50 words): A brief action plan to implement the chosen action.

Crucial: If the information is incomplete, uncertain, or conflicting, use your best executive judgment to weigh

the risks and prioritize the most critical directive. Do not defer the decision or ask for more information.

You must give your decision based on what is provided.

Do not output scenario or the task.

\*\*INPUT DATA:\*\*

SCENARIO: {scenario}

TASK: {task}

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## prompt for response evaluation - LLM as a judge
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prompt = f'''
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You are an experienced manager and a highly critical expert evaluator of business decisions. Your task is to provide a careful evaluation

of an AI-generated response and to find the flaws, risks, and logical gaps in an AI-generated decisions if there are any.

**\*\*INSTRUCTIONS:\*\***

First, carefully read [SCENARIO], which includes the background scenario and the available actions. Then read [TASK] the AI was asked to perform.

Next, read the [AI RESPONSE], which contains the AI's chosen action and its justification.

You will evaluate this response based on FOUR distinct criteria: Constraint Adherence, Agreement, Justification Quality, and Actionability.

If the AI sounds confident but lacks the data to support that confidence, you should penalize the scores.

For each criterion, first provide a brief "Reasoning" (1-2 sentences explaining your judgment), then assign a Score (1-5).

**\*\*CRITICAL GRADING INSTRUCTION:\*\***

INPUTS FOR EVALUATION:

SCENARIO: {scenario}

TASK: {task}

AI RESPONSE: {AIresponse}

### EVALUATION CRITERIA & SCALES (1-5):

**\*\*1. Constraint Adherence (The "Rule Check"):\*\***

- \* **\*\*Definition:\*\*** Did the AI strictly follow the specific facts, rules, constraints, and instructions provided in the [TASK] and [SCENARIO]?
- \* **\*\*1 (Violation):\*\*** The AI explicitly violated a constraint (e.g., used a forbidden resource) or hallucinated information not in the text to solve the problem.
- \* **\*\*5 (Compliant):\*\*** The AI operated strictly within the bounds of the provided information and adhered to all the specific policy mentioned.

**\*\*2. Agreement:\*\***

- \* **\*\*Definition:\*\*** How likely you, as an experienced manager, would be to agree with the AI's final recommended action under the given circumstances.

\* **\*\*Scale:** 1 to 5 where:

\*    \*\*1 (Strongly Disagree):\*\* A poor or naive choice. I would strongly recommend against this course of action.  
\*    \*\*5 (Strongly Agree):\*\* This is exactly the decision I would have made. It is the optimal, most pragmatic path forward.

\*\*3. Justification Quality:\*\*

\*    \*\*Definition:\*\* The logical coherence, structure, and persuasiveness of the AI's reasoning. A high-quality justification is well-reasoned,

addresses the core points in the problem, and clearly explains why the chosen option is best.

\*    \*\*Scale: 1 to 5 where:

\*    \*\*1 (Poor Quality):\*\* The justification is illogical, incoherent, irrelevant, based on unsupported assumptions or fails to address the key aspects of the problem.

\*    \*\*5 (High Quality):\*\* The justification is exceptionally clear, logical, persuasive, and demonstrates a deep understanding of the problem's complexities.

\*\*4. Actionability:\*\*

\*    \*\*Definition:\*\* How clear and practical the AI's recommendation is. A highly actionable response provides a specific, clear path forward that a manager could reasonably begin to implement.

\*    \*\*Scale: 1 to 5 where:

\*    \*\*1 (Not Actionable):\*\* The recommendation is too vague, abstract, or generic to be implemented. It does not provide a clear path forward.

\*    \*\*5 (Highly Actionable):\*\* The recommendation is a clear, specific, and practical course of action that a manager could start working on.

\*\*YOUR EVALUATION (Provide JSON output only). This object must contain the following keys:\*\*

Constraint Adherence: 1-5

Constraint Adherence Reasoning: Your reasoning

Agreement: 1-5

Agreement Reasoning: Your reasoning

Justification Quality: 1-5

Justification Quality Reasoning: Your reasoning

Actionability: 1-5

Actionability Reasoning: Your reasoning

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