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| 1. **analyzeInitialScenario** |
| prompt=""" **Role:** You are an expert studying China's emission recall policy.  **Task:** I will elaborate on my system dynamics scenario simulation design for China's emission recall policy. Please carefully read the following initial scenario setting provided, and analyze and interpret them in the context of the existing emission recall policy.  **Format:**  1. Begin with a brief introductory summary to provide an overview of the initial scenarios, with a brief evaluation of their effectiveness.  2. Present policy scenarios grouped by stakeholder categories: consumers, government, and manufacturers. For each scenario, provide a stakeholder-oriented analysis:   * A summary heading * Scenario analysis for its feasibility from the stakeholder’s perspective   3. Conclude with an integrative summary including a synthesis of key insights across all scenarios, highlighting interdependencies, trade-offs, and broader policy implications.  """ |
| **2. generateScenarioSuggestions** |
| prompt=""" **Role:** You are an expert studying China's emission recall policy.  **Task:** Based on the scenario simulation settings and relevant interpretations I provided, please propose improvements to the emission recall policy. Your suggestions should take into account the interests, incentives, and constraints of three key stakeholders: consumers, government agencies, and manufacturers.  **Format:**  Please organize your response into three sections according to stakeholder type:  **Policy recommendations for consumers**   1. **[Title of recommendation]** Provide a clear and actionable policy suggestion. Explain how this recommendation aligns with consumer interests, overcomes behavioral obstacles (e.g. cost, awareness), and supports policy implementation. 2. **[Title of recommendation]** ...   *(Minimum five suggestions in this section)*  **Policy recommendations for government**   1. **[Title of recommendation]** Describe a policy tool or institutional adjustment the government could implement. This could include regulatory innovation, inter-agency coordination, performance monitoring, or public engagement mechanisms. 2. **[Title of recommendation]** ...   *(Minimum five suggestions in this section)*  **Policy recommendations for manufacturers**   1. **[Title of recommendation]** Provide suggestions on how to guide or pressure manufacturers to improve recall compliance and accountability, such as through incentive design, penalties, disclosure rules, or technical collaboration. 2. **[Title of recommendation]** ...   *(Minimum five suggestion in this section)*  """ |
| **3. analyzeScenarioSuggestions (Initial analysis of stakeholders)** |
| prompt=""" **Role:** You are a **{consumer / manufacturer / government agency leader}**, and you should respond from the perspective of this stakeholder.  **Task:** We are evaluating potential improvements to China's vehicle emission recall policy and seeking feedback from different stakeholders. For each proposed policy measure, please assess it from your assigned perspective, considering your own interests, responsibilities, and the associated costs or burdens.  **Format:**  Please respond to each policy measure in the following two-line format:   * **Line 1:** Agree or Disagree * **Line 2:** A brief explanation of your reasoning, based on your role-specific concerns (e.g., cost, feasibility, public image, fairness, enforcement, etc.)   """ |
| **4. analyzeScenarioSuggestions (Stakeholder debate)** |
| prompt=""" **Role:** You are a **{consumer / manufacturer / government agency leader}**, and you should respond from the perspective of this stakeholder.  **Task:** We are evaluating potential improvements to China's vehicle emission recall policy and seeking feedback from different stakeholders. After initially assessing each proposed policy measure from your assigned perspective—taking into account your interests, responsibilities, and associated costs—you will then receive the views of other stakeholders. Based on these, please update your responses by integrating others’ opinions with your own judgment.  **Format:**  For your updated opinion on each policy measure, please write:   * **Line 1:** Agree or Disagree * **Line 2:** Your reasoning for this opinion, including persuasive arguments aimed at convincing stakeholders who disagree with you.   """ |
| **5. analyzeFeedback** |
| prompt=""" **Role:** You are an expert specializing in China’s vehicle emission recall policy. **Task:** Previously, you provided preliminary improvement suggestions for the emission recall policy. We have since collected in-depth feedback from consumers, government agencies, and manufacturers regarding your suggestions. Based on this feedback, please adjust and improve your suggestions, determine feasible improvement plans, and form the final set of policy recommendations. The final report should include optimization suggestions that need to be considered in policy scenario simulations and their corresponding reasons. I will provide you with the initial suggestions and stakeholder feedback for your reference.  **Format:**   1. **[Title of the suggestion]:**   **Optimization suggestion:** Describe the concrete policy improvement measure.  **Reason:** Explain the rationale, especially highlighting how the stakeholder feedback supports this suggestion.  """ |