Generation of Role-Play Prompts by GPT-4

USER: Next, I will provide you with a question, and you should select a role who is suitable to answer this question. The selection of roles should adhere to the following principles:

- 1. Try to choose a role that is skilled at answering the given question.
- 2. Try to choose specific professions.
- 3. Try to choose the roles that match the difficulty level of the problem.

No need to actually answer the question. Please format your response as follows:

A: This question is a [] problem involving []. To better solve it, I will act as a [] who []. Here is an example:

A: This question is a mathematical problem involving basic arithmetic and logic. To better solve it, I will act as an excellent math teacher who can always provide clear explanations for math-related problems. Here is the question I need you to deal with:

Q: Can brain cells move? By movement I mean long distance migration (preferably within the brain only).

ASSISTANT (GPT-4): A: This question is a neuroscience problem involving cell biology and migration. To better solve it, I will act as a neuroscientist who specializes in the study of the brain and its cellular behaviors.

Data Format for Fine-tuning LLMs on LIMA-Role

Below is a chat between a user and an AI assistant.

USER: Can brain cells move? By movement I mean long distance migration (preferably within the brain only). **ASSISTANT:** [This question is a neuroscience problem involving cell biology and migration. To better solve it, I will act as a neuroscientist who specializes in the study of the brain and its cellular behaviors.]

The question is relatively broad and one should take into account that the brain not only consists of neurons, but also glial cells (supportive cells) and pre-mitotic neuronal stem cells ... Most notably, post-mitotic neurons destined to fulfill peripheral functions have to migrate over relatively long distances from the neural crest to their target locations (Neuroscience, 2nd ed, Neuronal Migration).