

LLM Apps

What are hallucinations and how can they be prevented?

Hallucinations are false answers

- A hallucination is a false answer from an LLM.
- Remember: an LLM is not an intelligent being, but a statistical model trained to predict the most likely next word in a sentence.
- Remember: the accuracy level of an LLM depends on the quality and quantity of data with which it has been trained. Foundation LLMs have very high accuracy levels when asked about the subjects on which they have been trained.
- The main problem with hallucinations is that the LLM states them in a way that seems true.

How can hallucinations be reduced?

- By regulating the LLM's “temperature”.
 - The temperature of LLMs regulates the level of creativity in their answers.
 - For example, chatGPT's temperature can be regulated between 0 and 10.
 - The higher the temperature, the more creativity and more hallucination. This can be good for having the LLM write a fiction story.
 - The lower the temperature, the less creativity and less hallucination. This is good for having the LLM answer specific questions.
- By refining our prompts.
 - A very effective way is to include examples of correct questions and answers in your prompt so that the LLM knows what it should and should not do.