GCP AI Leader

Generative AI encompasses a broader range of models capable of generating various types of content beyond just text, while LLM specifically refers to a subset of generative AI models focusing on language tasks.

A diagram of a machine

AI-generated content may be incorrect.

Generative artificial intelligence, which is commonly referred to as gen AI, is a subset of artificial intelligence that is capable of creating text, images, or other data using **generative models**, often in response to prompts. It has grown in popularity hugely since 2021 but artificial intelligence has been around since the mid 1950s.

A screen shot of a computer

AI-generated content may be incorrect.

A screenshot of a video camera

AI-generated content may be incorrect.

Parameters are the memories and knowledge that the machine has learned during model training. They determine the ability of a model to solve a problem, such as predicting text, and can reach billions or even trillions in size.

Saying LLMs are pre-trained and fine-tuned, means that they have been pre-trained for a general purpose with a large dataset and then fine-tuned for specific goals with a much smaller dataset.

A diagram of a machine

AI-generated content may be incorrect.

When you submit a prompt to an LLM, it calculates the probability of the correct answer from its pre-trained model.

Hallucinations

* But sometimes the LLM gives a completely wrong answer. This is called a hallucination.
* This happens because LLMs can only understand the information they were trained on.
* To make matters worse, LLMs only understand the information that is explicitly given to them in the prompt.
* In other words, they often assume that the prompt is true (considering I am trained on that, and I will have answer to it).
* They also do not have the ability to ask for more context information.

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a chat

AI-generated content may be incorrect.

* A prompt is the text that you feed to the model, and prompt engineering is a way of articulating your prompts to get the best response from the model.
* The better structured a prompt is, the better the output from the model will be. Let’s explore what this means.

A screenshot of a chat

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A screenshot of a computer

AI-generated content may be incorrect.

A blue background with white text

AI-generated content may be incorrect.

Gemini is a Gen AI chatbot

Gemini is a Gen AI Model and Gemini app is built on top of it.

Gemini for looker

Gemini for BigQuery – generate, explain and trubleshoot SQL queries

Basically bringing intellegence to you application with Gemini