

LLM Apps

What are Foundation LLMs?

How big are LLMs?

- A typical person reads between 0 and 700 books in their lifetime.
- A book has 80,000 words (110,000 tokens).
- ChatGPT has been trained with the text equivalent to 10 million books.
 - 800,000,000,000 words
 - 1,100,000,000,000 tokens
- Technically, LLMs have been made possible thanks to Deep Learning, Neural Networks, Transformers, and GPUs.

Foundation LLMs

- Trained "with all the data from the Internet".
- Private and Open Source.
 - Private: OpenAI, Anthropic.
 - Open Source: Llama2, HuggingFace.

How expensive is to train Foundation LLMs?

- The CEO of OpenAI has stated that training chatGPT-4 cost more than 100 million dollars.

What is an LLM App?

- Apps on top of Foundation LLMs: web, mobile, etc.
- Analogy: the Foundation LLM is like an engine, the LLM applications are like all the vehicles and machines that use the engine to do things (car, truck, boat, industrial machinery, etc.).