



Example: Compare the Transformer and Mamba model architectures, analyzing their performance and technical characteristics in different application scenarios. Based on the latest research, discuss the advantages and disadvantages of both models and their applicable scenarios.

Example: With the lowered entry barrier for foundational large models, how can we more quickly apply these models to vertical domain scenarios? There are currently two technical approaches: the first is to build a chain-of-thought corpus tailored to the vertical domain and fine-tune the foundational large model to enhance its understanding of the specific domain; the second is to strengthen the isolation and automatic optimization between prompts and software by constructing a robust external information retrieval system (RAG). How should we choose between these two approaches?

- Model Architecture
- Model Training/Fine-tuning
- Reasoning and Inference
- Synthetic Data
- LLM Evaluation
- Scaling Laws
- Distributed Systems
- Others
- Reinforcement Learning
- AI Policy
- Multimodality
- Computer Vision
- AI Ethics
- AI Strategy
- Retrieval-Augmented Generation