

- Self-Evolving Memory

e.g., Memento, H2R

- Multimodal Memory

e.g., Ella, ViloMem, M3-Agent

- Latent Memory

e.g., MemoryLLM, M+, MemGen

- Parametric Memory

e.g., Retroformer, Early experience

- RL-enabled Memory

e.g., MemAgent, RMM, MemSearcher, MEM1, Mem-alpha, Memory-R1

- Few-shot prompting

e.g., CoT, PALM

- Self-Reflection

e.g., Self-refine, CRITIC

- KV compression/reuse

e.g., AutoCompressor, SnapKV

- Memory graph

e.g., Zep, AriGraph

- Agentic memory

e.g., A-Mem, G-Memory

- Working memory

e.g., HiAgent, ReSum,

Agent Memory

LLM Memory

RAG

Context Engineering

- Attention KV management

e.g., Mixture-of-Memory

- Long context processing

e.g., Mamba, Memformer, MoA, Sparseformer, NSA

- Tool-integrated reasoning

e.g., ReTool, ToolLLM, Toolformer, VTool-R1, ToRL

- Tool selection

e.g., AutoTool, VisTA

- Communication protocol

e.g., ANP, A2A, MCP, Agora

- Modular RAG

e.g., FlashRAG, ComposeRAG

- Graph RAG

e.g., LightRAG, HippoRAG

- Agentic RAG

e.g., PlanRAG, Self-RAG