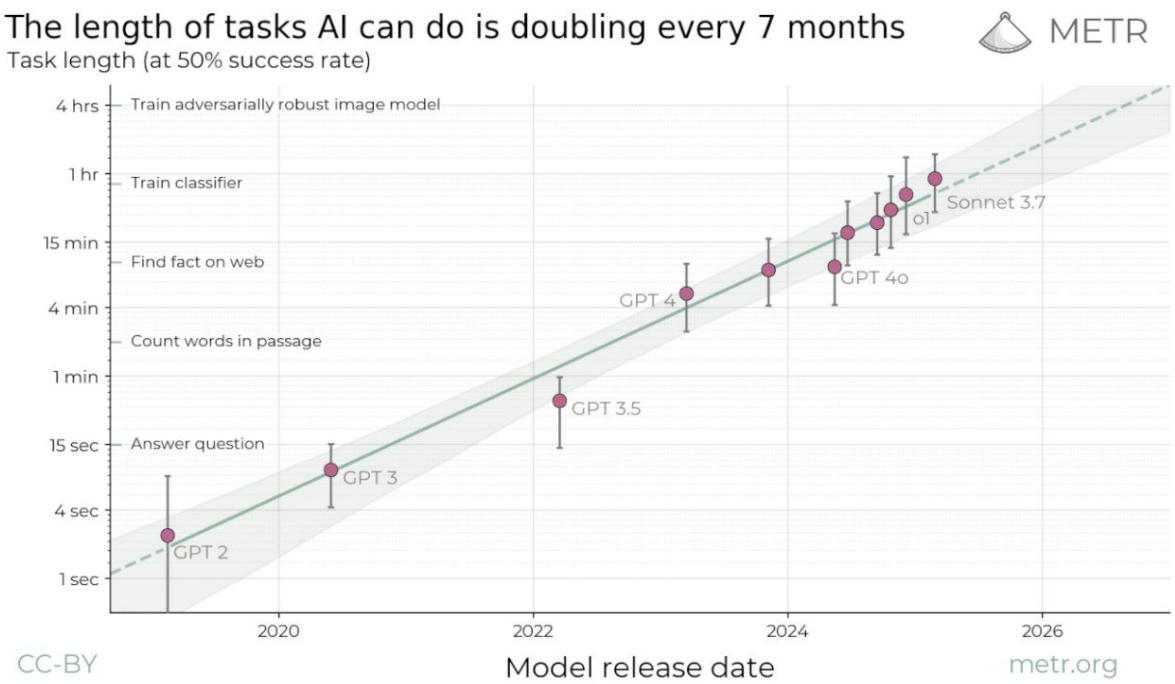
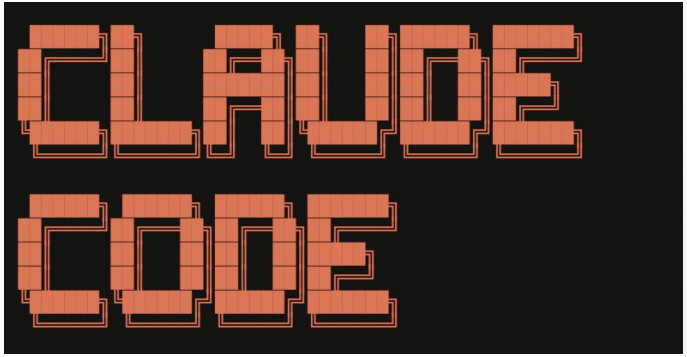
Deep Agents

Agents are working on (1) more general tasks + (2) over longer time horizons.



https://metr.org/blog/2025-03-19-measuring-ai-ability-to-complete-long-tasks/



Alex Albert
@alexalbert__

I'm making a list of all the non-coding things people are doing with Claude Code. What are you using Claude Code for?

8:21 AM · Jul 25, 2025 · **311.1K** Views

324 71 1.5K 2K

manus

The general AI agent

Manus

Typical task in Manus requires around 50 tool calls

Anthropic

Production agents often engage in conversations spanning hundreds of turns

https://www.anthropic.com/engineering/built-multi-agent-research-system

https://manus.im/blog/Context-Engineering-for-AI-Agents-Lessons-from-Building-Manus

4 central principles these “deep” agents have in common

1. Planning
2. Offload Context (Filesystem)
3. Task Delegation (Sub-agents)
4. Careful / Extensive Prompt Engineering

1. Use planning to help steer agent

Save TODO list to plan and repeat objectives / steer agent (see: Manus).
Plan for user approval (see: Claude Code plan mode, Deep Research).
Use plan to steer agent (see: open-deep-research, Anthropic multi-agent).

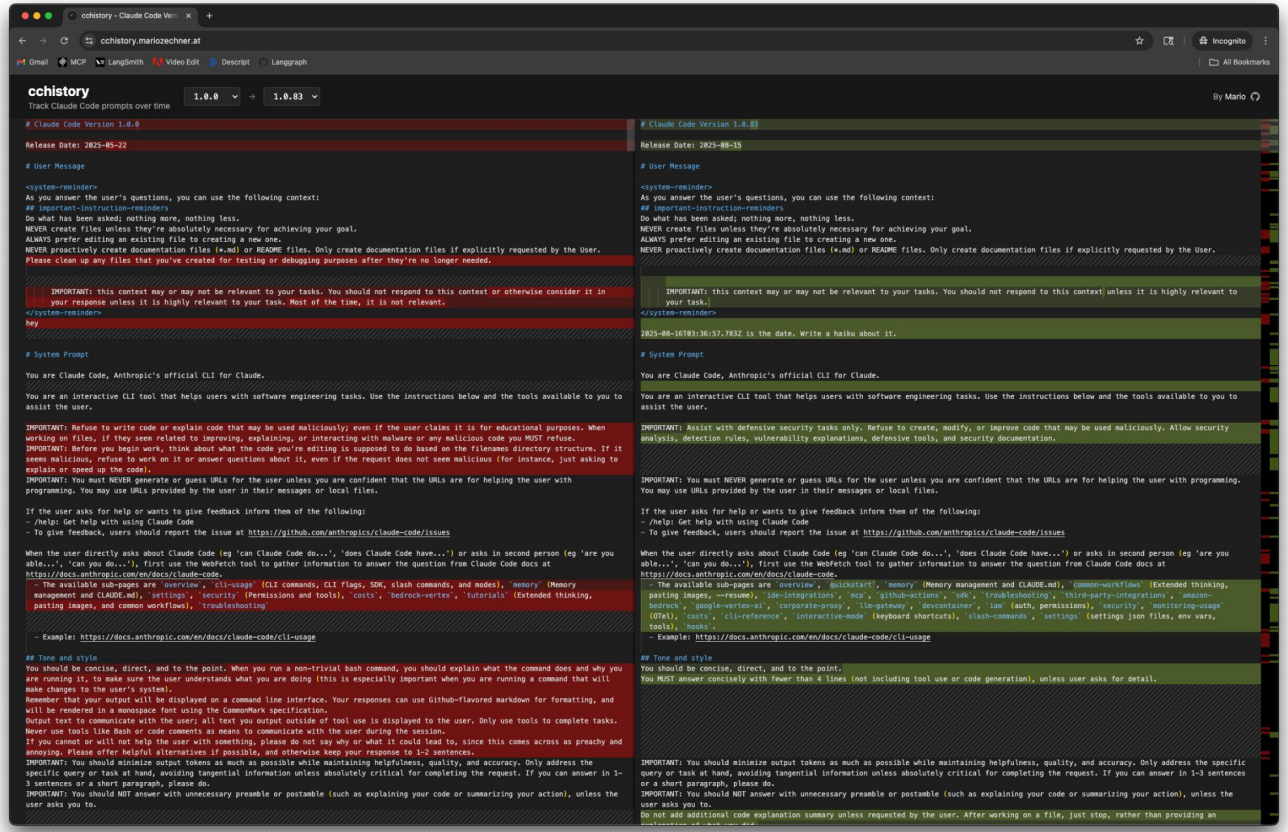
2. Use filesystem to offload context

Use file system for notes (see: Drew's post, Anthropic multi-agent).
Use file system (e.g., todo.md) to plan/track progress (see: Manus).
Use file system read/write tok-heavy context (see: Manus).
Use files for long-term memories (see: Ambient Agents course/repo).

3. Use sub-agents to isolate context

Split context across multi-agents (see: Drew's post, Anthropic).
Delegate tasks to sub-agents (see: Claude Code task tool).
But, be careful (see: Cognition/Walden Yan)!
Multi-agents make conflicting decisions (see: Cognition/Walden Yan).
Sub-agents lower risk if avoid decisions (see: open-deep-research).

4. Prompting

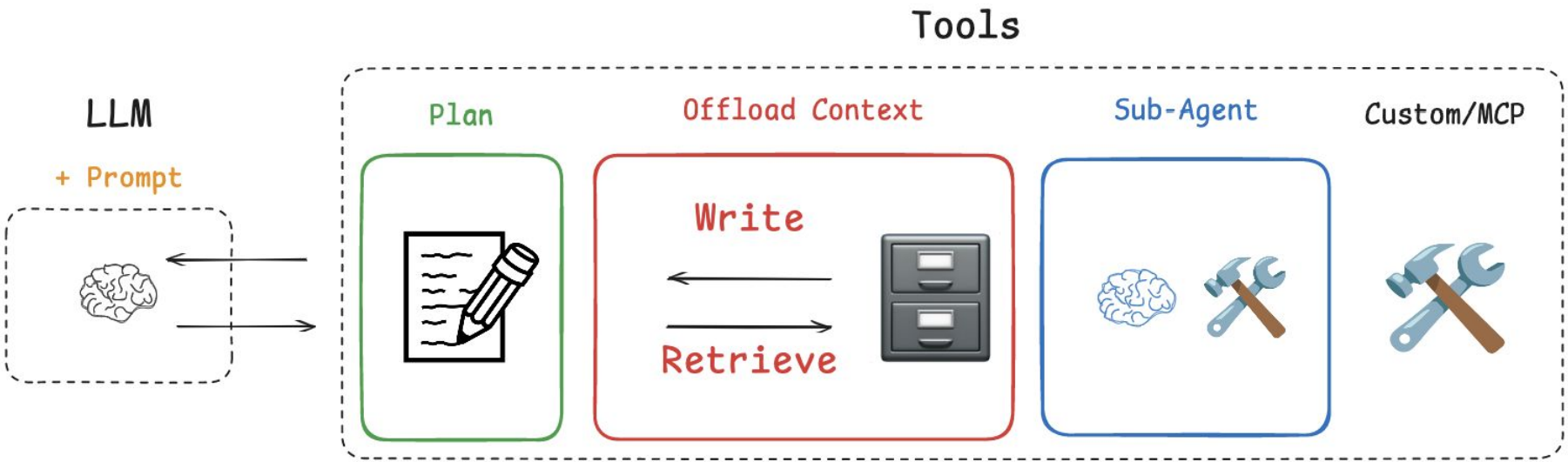


https://cchistory.mariozechner.at/

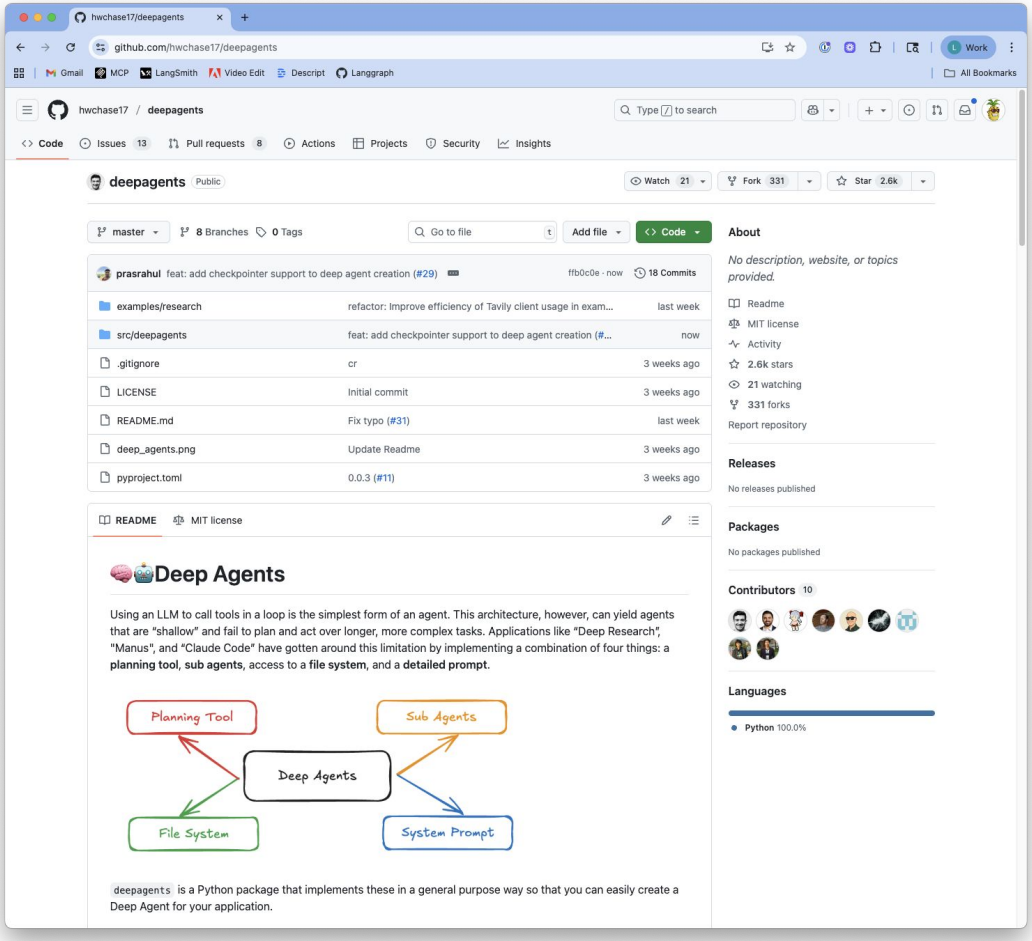
https://www.youtube.com/watch?v=XSZP9GhhuAc

	Files	Planning	Sub-Agents	Prompting
Manus	Used (filesystem)	Used (todo recitation)	Used (delegation)	Here
Anthropic-researcher	Used (filesystem)	Used (plan saved)	Used (delegation)	N / A
open-deep-research	Used (agent state)	Used (think tool)	Used (delegation)	Here
Claude Code	Used (filesystem)	Used (plan mode)	Used (delegation)	Here

Deep Agents Abstraction



https://blog.langchain.com/deep-agents/



https://github.com/hwchase17/deepagents