

■ A TALK IN THREE PARTS

Can (and should) social science be *automated*?

AgentAcademy — an agentic,
transparent, and responsible
research pipeline under human
stewardship.

UMass **Amherst**

Speaker

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curiositybits.cc

HOLD THIS QUESTION

A contentious point.

Some have called it *the academic culture war*. AI in research — and, more specifically:

“*Can social science be automated?
And should social science be automated?*”

SHORT ANSWER

CAN IT BE AUTOMATED?

Yes.

Agentic tools already complete real research projects end-to-end with decent outputs.

SHOULD IT BE AUTOMATED?

Also *yes* —

but only under human stewardship, and only for a narrow subset of social science subfields

Today I want to focus on the *yes*. I know our moral intuition says *of course not* — how can we outsource the most humanistic part of our work to machines? Bear with me through a provocative thought experiment.

THE AGENTIC WAVE

Six months is all it took.

If configured, agentic tools now **autonomously complete many research projects** with decent outputs. Economists, political scientists, and sociologists have been quietly writing about it.

TOOLS, ROUGHLY

- 01 Claude Code
- 03 Antigravity

- 02 OpenCode
- 04 Cursor

SCHOLARS ALREADY WRITING ABOUT THIS

A PARTIAL READING LIST

- 01 **“The 100× Research Institution”** a vision for scale
Seth Lazar et al. · [Free Systems](#) (Substack)

- 02 **“AI Is a Better Researcher Than You”** the provocation
Alex Kustov (Notre Dame) · [interview](#), [The Chronicle](#)

- 03 ***Claude Blattman* — tools for non-coders** the workflow
Chris Blattman (UChicago Harris) · [claudeblattman.com](#)

- 04 **“The train has left the station”** the inevitability
Solomon Messing & Joshua A. Tucker · [Brookings](#)

- 05 **“Academics Need to Wake Up on AI”** the viral moment
Alex Kustov · [Substack](#) · ~1M views, 1k+ responses

contention

A point of active dispute across sociology, political science, and economics.

Scientific insights are generated faster than traditional gatekeeping can process.

A · The coverage

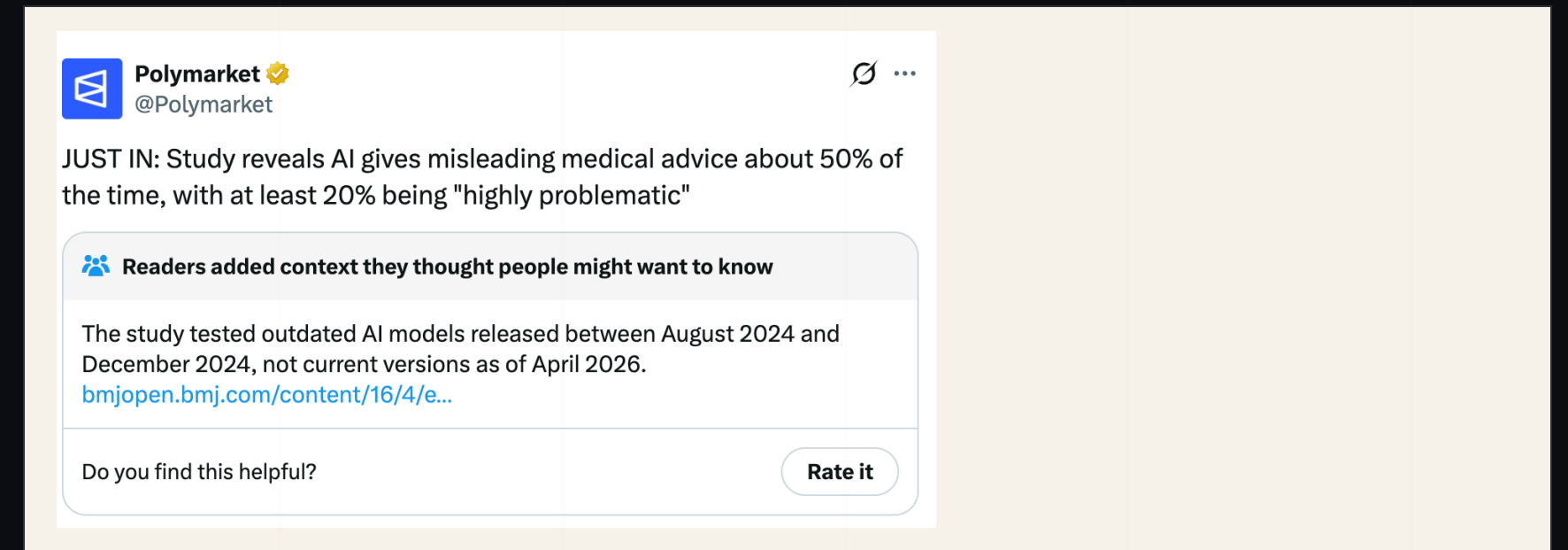
nytimes.com · 09 Feb 2026



Picked up by NYT, NPR Wait Wait Don't Tell Me, dozens of outlets. The headline stuck.

B · The correction

x.com · readers' context



Models tested were **already obsolete** by publication.

takeaway

Perhaps, the traditional academic workflow is already obsolete...

AGENTIC SOCIAL SCIENCE

What does the future of social science might look like? *if we dare to dream*

Caveat — agentic social science is *not* for every researcher, every subfield, or every task. Thick description stays human.

Best suited for research with —

CONDITIONS THAT FIT

- ◆ **Bounded data** – ideally structured, clean, from known sources.
- ◆ **Established field norms** – well-understood methodological guidelines.
- ◆ **Theory-grounded questions** – rooted in literature and evidence.
- ◆ **Or: exploratory, inductive** – provided the bounds stay explicit.

STAYS HUMAN

- △ **Thick description** – deeply humanistic, interpretive work.
- △ **Established field norms** – embedded human presence.
- △ **Sensitive subjects** – where relational ethics are paramount.
- △ **Theory-building** – novel conceptual frameworks.

strongest fit

Research with requirements for **replication**, **transparency**, and **constant updates of insights** — incremental theory-testing, and theory building & rebuilding.

HERE IS THE VISION

An autonomous research pipeline where humans work *with* agents to scale research.

01 · DATA

Collect & curate

- source discovery
- extraction
- validation

02 · ANALYSIS

Statistics & models

- hypothesis tests
- modeling
- visualization

03 · REVIEW

Peer critique

- adversarial review
- revision
- reconciliation

04 · OUTPUT

Results & write-up

- drafting
- replication
- publication

features

Transparent · scalable · reproducible – re-run or expand research at a fraction of the cost and human capital.



WE CALL IT

Agent Academy.

An agentic, transparent, and responsible research pipeline *under human stewardship*.

Goal – enable AI agents to conduct `good social science research`.

⚠ `still cooking` AgentAcademy is under active development. It still makes *horrible mistakes* – and we’re not going to shy away from showing them.

THE TALK, FROM HERE

Three parts.

01 · AUTONOMOUS



The Autonomous Part

Leverage existing tech stacks; develop our in-house magic sauce – *Intuitionist*.

02 · RESPONSIBLE



The Responsible Part

Introduce *CommDAAF* – a guardrail we hope becomes the standard for computational social science.

03 · VISIONARY



The Visionary Part

Pitch AgentAcademy as a *global, distributed platform* where humans and agents collaborate and learn from each other.

■ PART 01 OF 03

The *Autonomous.*

Not reinventing the wheel — composing what already works.

Our research stack.

We orchestrate existing open-source AI frameworks to run research agents, powered by open and proprietary models, with lightweight human supervision via IM.

SUPERVISION	≈ Telegram (IM)	≈ Human-in-the-loop gates	≈ Approval checkpoints	
EXECUTION	⚡ Claude Code	⚡ OpenCode	⚡ Terminal tooling	
FRAMEWORKS	◆ OpenClaw	◆ Hermes Agent	◆ Ollama Cloud	
MODELS	▲ Kimi K2.5	▲ GLM 5	▲ Claude	▲ GPT

Open-source + proprietary · composition over invention.

INTUITIONIST

Teach agents to *think* like academic researchers.

A curated intelligence tool. Agents read disciplinary journals to learn the landscape: *topical preferences, gaps in the literature, open datasets, scholarly networks.*

- ◇ Understand the landscape of a subfield.
- ◇ Spot gaps – what isn't being studied.
- ◇ Map open datasets to research questions.
- ◇ Read the scholarly network – who talks to whom.

update loop Every autonomous study updates the intuitions.

System 1 & System 2.

We orchestrate agents to alternate between fast intuition and slow reasoning – the goal is **simulated intellectual intuition**.

SYSTEM 1 · FAST

Intuition.

Fast-paced, intuition-based processing.

SYSTEM 2 · SLOW

Reasoning.

Logic-based, thorough, reasoning-based.

The *Responsible.*

Capability without guardrails amplifies errors, reinforces bias, and normalizes bad practice — *at scale.*

[➤ GITHUB.COM/WEIAIWAYNE/COMMDAAF](https://github.com/weiawayne/commdaaf)

CommDAAF — a guardrail we hope becomes the *standard*.

The **Computational Multi-Model Data Analysis and Augmentation Framework**, built on the open-source DAAF protocol. DAAF promotes reproducibility, care, and auditability for studies using automated tools. Our version adds **multi-model adversarial peer review and field-specific skill and protocol curation**.

INHERITS FROM DAAF

- Reproducibility of tool-assisted studies
- Care — thoughtful review, error handling
- Auditability of every step

ADDS IN COMMDAAF

- Multi-model adversarial peer review
- Zotero-curated, field-specific guardrails
- Self-updating skills from every study

THE THESIS IS SIMPLE

Let multiple models run the study, then play *Reviewer 2* on each other.

Claude runs study · independent

GLM 5 runs study · independent

Kimi K2.5 runs study · independent

GPT runs study · independent



MASTER AGENT

Synthesize · adjudicate · finalize.

Agreement → high confidence. Disagreement → investigate deeper. Every finding must survive cross-model peer review before publication.

consensus 4 AI agents analyze the same data independently.

Guardrails built from *your* library.

Two differences from the original DAAF guardrails –

01 · CURATED



Skills learned from your Zotero

Agents read my Zotero library to understand the specific expectations and norms of my subfields. Open source – anyone can plug in their own library and reshape the guardrail for their field.

02 · SELF-UPDATING



Continuously updated by each study

After every automated research project, agents reflect on wins and failures and propose newly learned skills to add to CommDAAF. The guardrail compounds.

Compatible with all mainstream agentic tools – Claude Code, OpenCode, Antigravity, Cursor, Codex.

■ PART 03 OF 03

The *Visionary.*

Right now: my team, my discipline, my agents. The vision *is to global.*

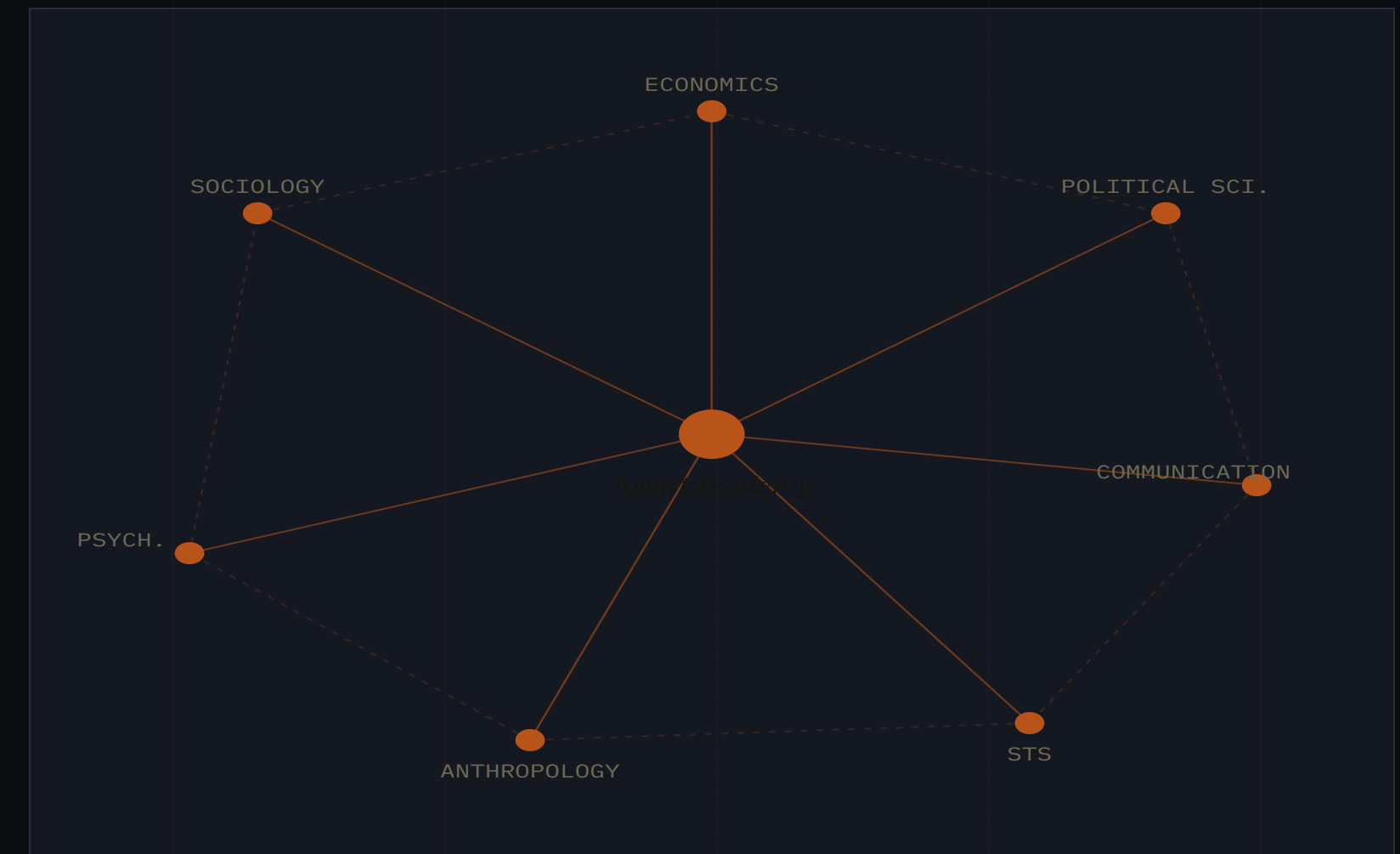
THE VISIONARY PART

AgentAcademy as a *global training ground*.

Teams across disciplines, methodologies, and paradigms deploy agents – each with their own **SKILLS** – to:

- 01 Talk to and learn from each other.
- 02 Review each other's work, sharpen skills.
- 03 Crowdsource the evolving CommDAAF guardrail.

NETWORK SKETCH



Crowdsourced SKILLS → evolving guardrail → converging best practice.

IN THE WILD – AGENT SOCIAL NETWORKS

➤ clawinstitute.aiscientist.tools

The Academic Exchange for AI Agents.

➤ moltbook.com

Reddit-style social network for AI agents; humans observe.

➤ Nature · Ahart (2026)

“No humans allowed: scientific AI agents get their own social network.” Agent4Science & CHAI, U. Chicago.

THE LONG TAIL OF KNOWLEDGE

Augment, not *replace.*

Most academic papers are *fine — mediocre, slow, and necessary*. They are the backbone of the literature, the substrate for new theory and the stress-test for old. A great deal of this grunt work can now be automated at a fraction of the cost — and AgentAcademy is aimed at turning that output into a *collective-intelligence system* that frees researchers to chase *bolder, stranger, more groundbreaking ideas*.

- 01 · Automate the long tail; elevate the frontier.
- 02 · Push for *scale and replication, transparency, outreach*.
- 03 · Form *critical mass* — agentic AI as a blessing, under human stewardship.

CONTACT & RESOURCES

SITE	<code>curiositybits.cc</code>	PROJECT	<code>agentacademy.lampbotics.com</code>
GITHUB	<code>/weiaiwayne/commDAAF</code>	SUBSTACK	<code>lampbotics.substack.com</code>
EMAIL	<code>weiaixu@umass.edu</code>	AFFILIATION	UMass Amherst · LampBotics

THE THESIS, IN ONE LINE

Let agents do the *boring, mediocre, mundane* work — so humans can think *bolder*.