

A topographic map with a grid overlay, showing contour lines and various geographical features. The map is light gray and serves as a background for the text. The text is centered and reads "Program Updates: Permits".

Program Updates: Permits

TIME COST

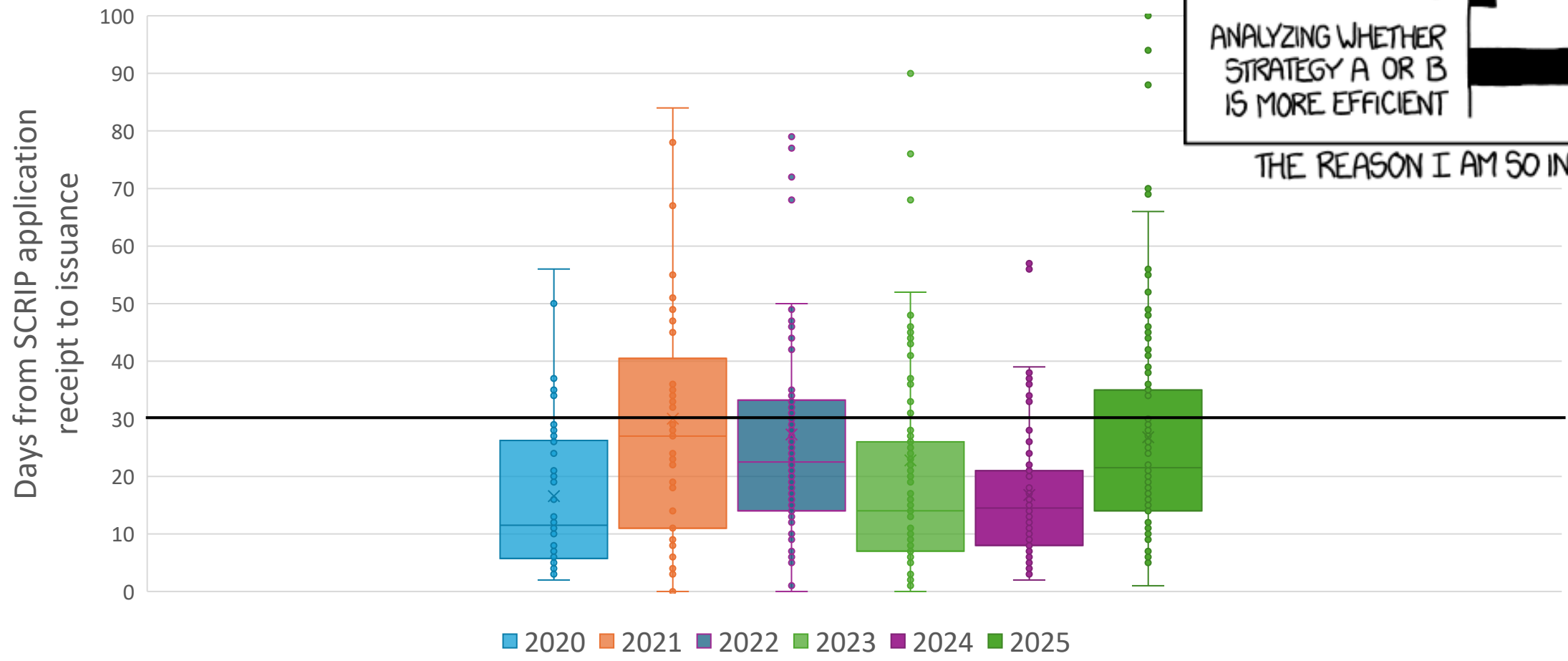
STRATEGY A

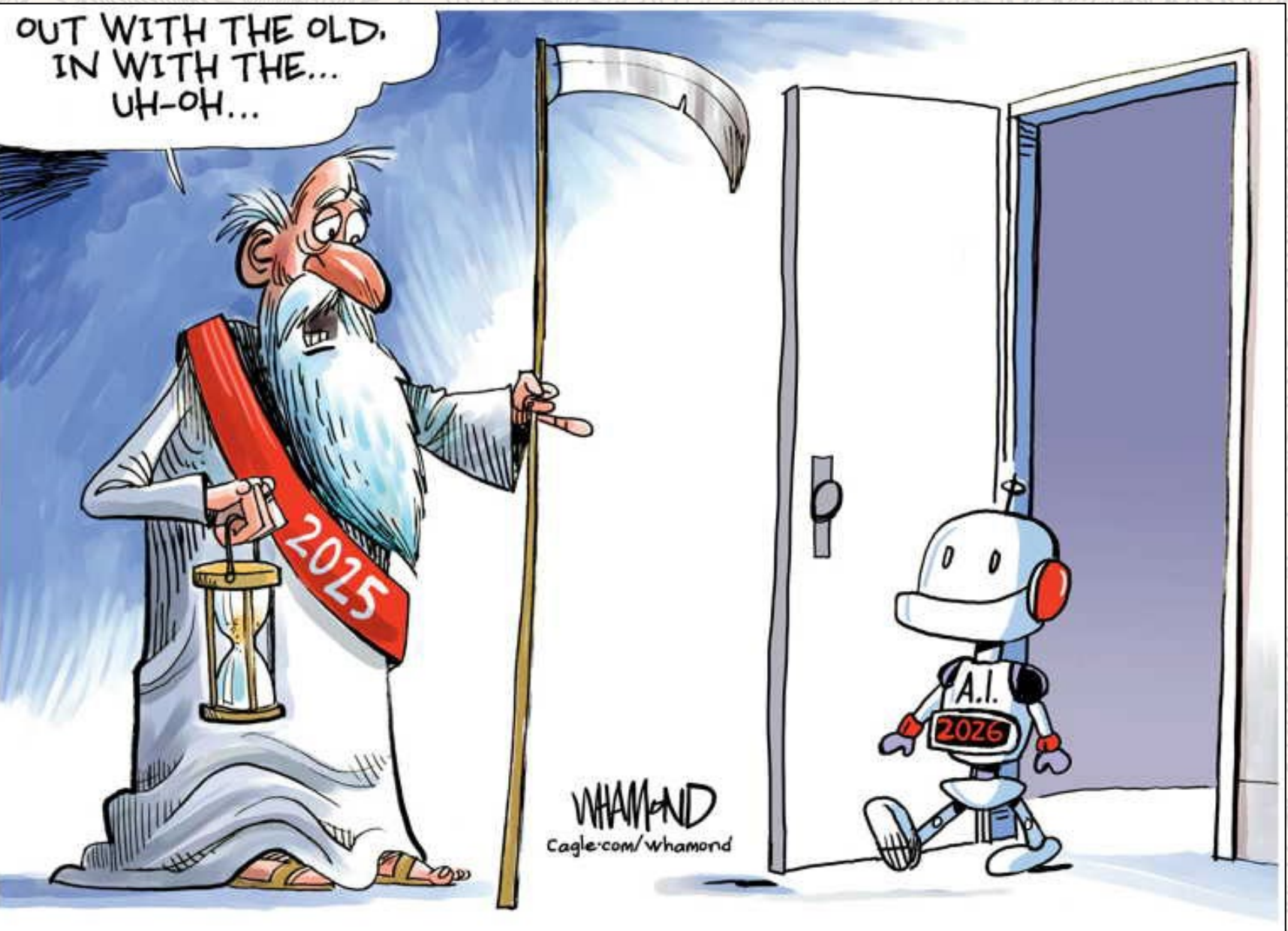
STRATEGY B

ANALYZING WHETHER
STRATEGY A OR B
IS MORE EFFICIENT

THE REASON I AM SO INEFFICIENT

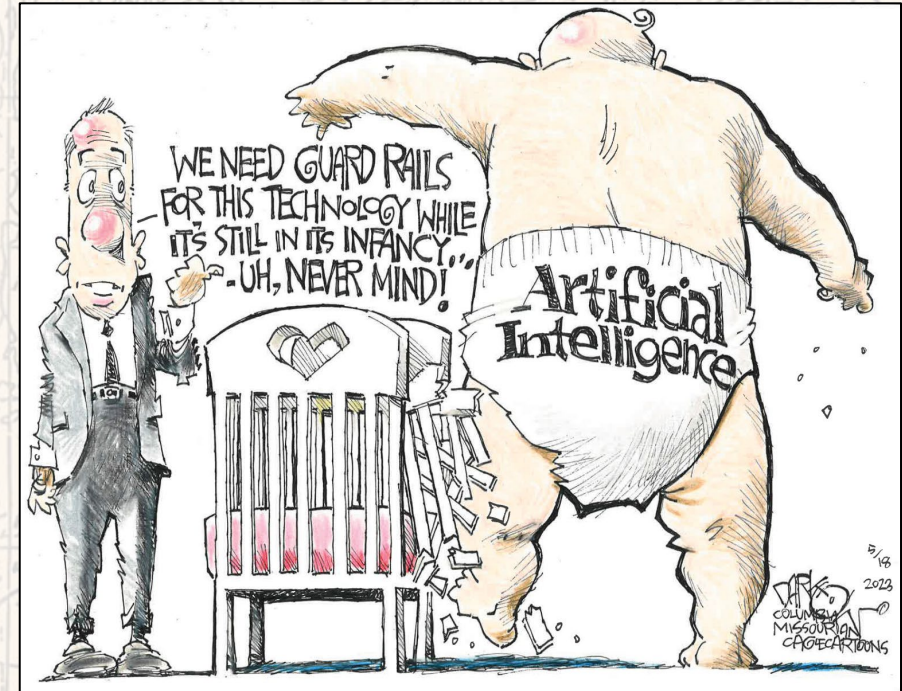
SCRIP Processing Timeline





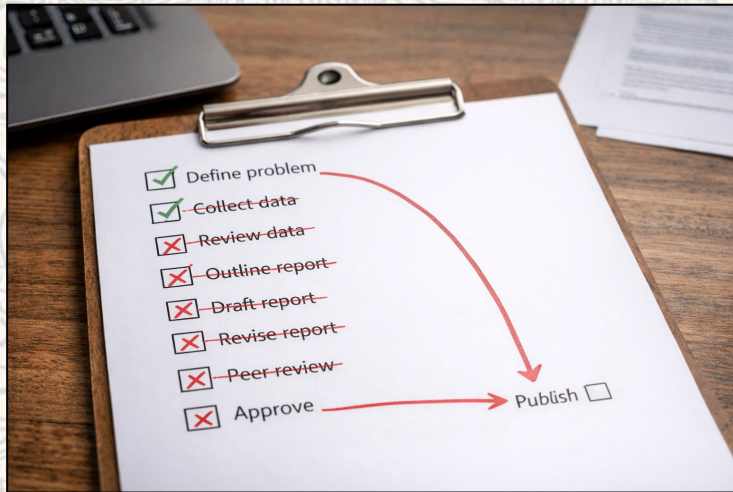
AI

- Goal of language models is to confidently provide plausible sounding answer to queries, not provide a fair and factual answer.
- AI models continue to consistently fabricate facts and citations in legal/academic contexts.
- Human biases (confirmation bias / automation bias, cognitive miser theory) result in tendency to accept confident AI responses already tailored to you less critically
- Combine that with the Dunning-Kruger Effect...



- Ruben, A. (2023). Scientists, don't let your writing resemble something you pulled out of your bot. <https://www.science.org/content/article/scientists-don-t-let-your-writing-resemble-something-you-pulled-out-your-bot>
- Naddaf, M., & Quill, E. (2026). Hallucinated citations are polluting the scientific literature. What can be done? Nature, 652(8108), 26–29.
- Ruben, A. (2026). Cite unseen: when AI hallucinates scientific articles. <https://www.science.org/content/article/cite-unseen-when-ai-hallucinates-scientific-articles>
- Shaw, S. D., & Nave, G. (2026). Thinking—fast, slow, and artificial: How AI is reshaping human reasoning and the rise of cognitive surrender. In Social Science Research Network.

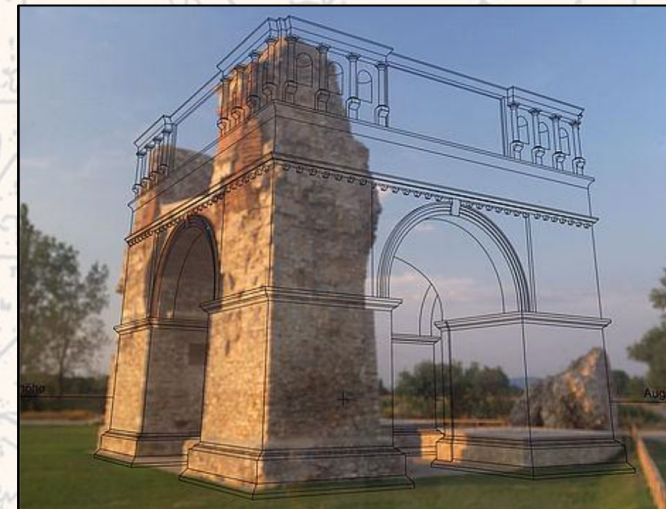
Where can it be helpful?



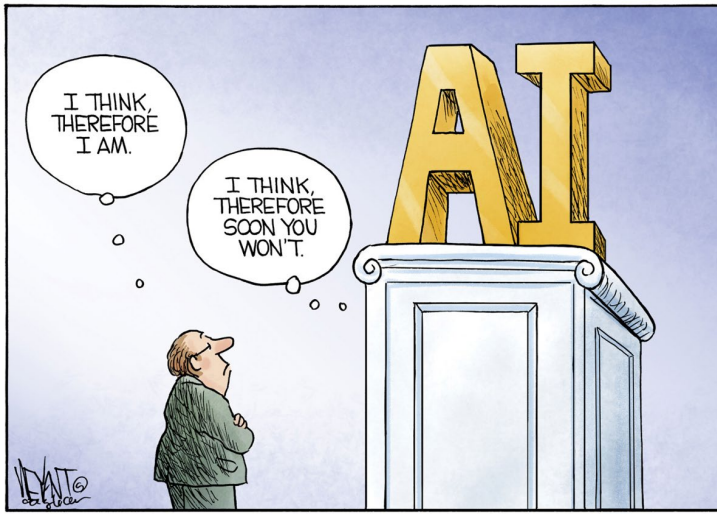
If using for general information gathering: always verify.

- Ground your writing by going back to the sources, not in AI summaries.
- AI use may speed up your writing, but you should be making up for that in additional time editing.

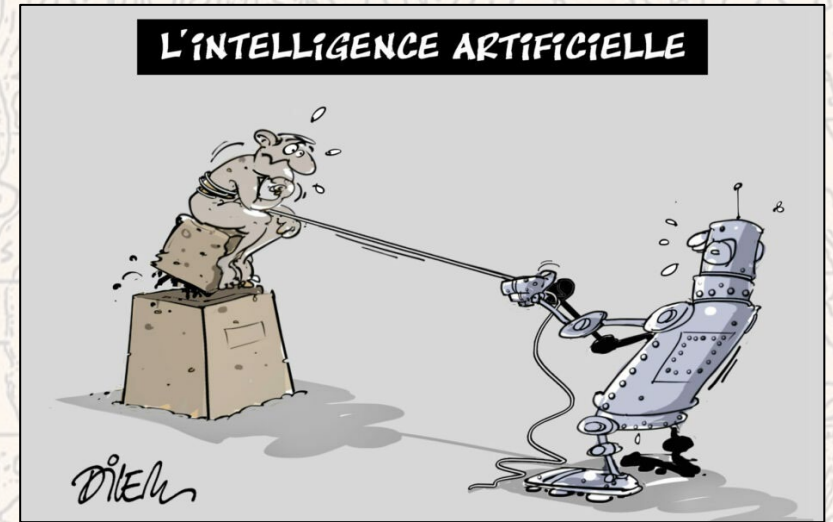
Creative Mitigation:
Augmented reality applications?



https://www.arkeotekno.com/pg_305_application-of-augmented-reality-technologies-in-archaeology



Best Practices

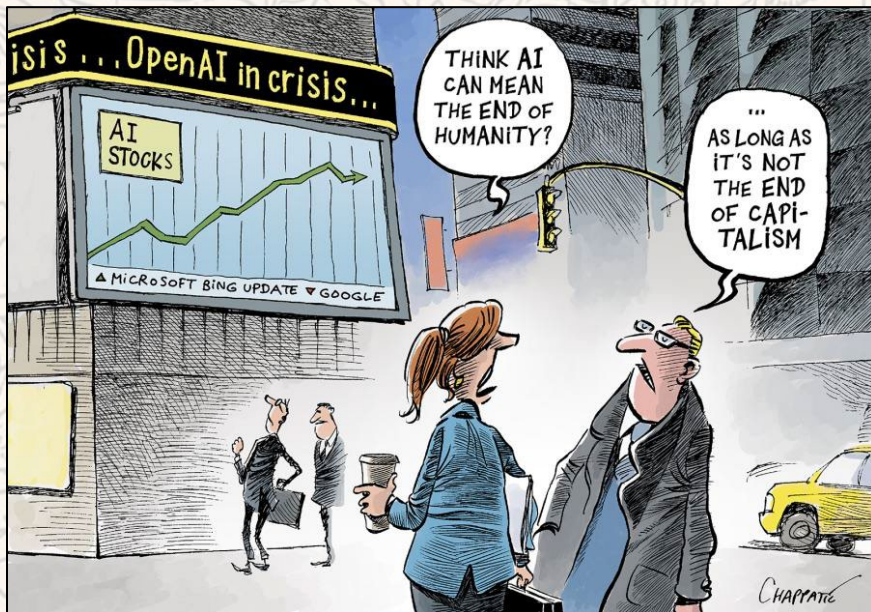


- Disclose and detail AI use – in both project planning (permits) and reports
- Edit and Verify!
- Don't replace your critical thinking (evaluation of project background research relevant for methods development) with AI output.

AI and Historic Properties

New use cases for AI models are being developed more quickly than AI policy is keeping up

That covers where we might use it, so where do we draw lines in the sand?



Data Stewardship and AI

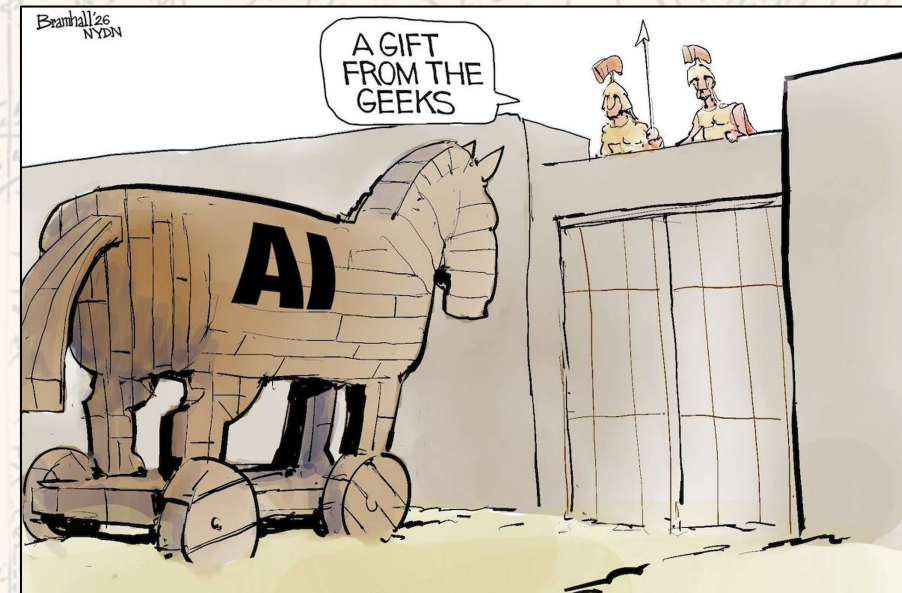
Once sensitive data is supplied to an AI model, it's out of your hands to control.

Who are you sharing it with? Can you reasonably expect it to be secure?

Nope.

Relevant State and Federal Laws:

- Archaeological Resources Protection Act Section 9(a) / (16 U.S.C. 470hh)
- 43 CFR § 7.18 and 36 CFR § 296.18
- National Historic Preservation Act Section 304 / 36 CFR part 800.11(c)
- Department of Transportation Act Section 4(f)
- 54 U.S. Code § 307103
- Freedom of Information Act Exemption 3: Alaska Public Records Act, AS 40.25.120(a)(4)
- Alaska State Parks Policy and Procedure No. 50200 (1987); AS 41.35.070(a)



AI = Public Disclosure

Supplying an AI model with sensitive Cultural Resource data constitutes a violation of the protections for Historic Properties under State and Federal Law, and is a violation of your AHRS User Agreement.

This includes:

General AHRS Site Data

Maps

Site Forms

Site Locations

Reports that contains this kind of restricted site information

Ranting about AI concluded..for now...

