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Using Generative AI to Improve Your LibGuides

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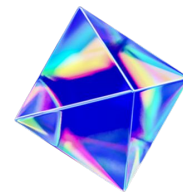
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Supplemental Material

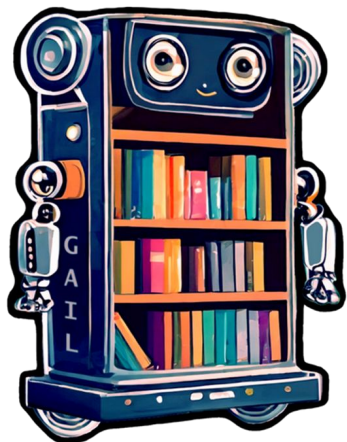
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Using Generative AI to Improve Your LibGuides



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Foundational Philosophy

- **Ethan Mollick's 4 categories of tasks:**
 - ***OK to delegate*** to AI tools
 - ***Just me*** - human-only work
 - ***Centaur*** - integrates AI into workflow but with clear delineation between human and AI roles
 - ***Cyborg*** - humans and AI work together seamlessly
- Evaluate AI in comparison to ***the best human available***
 - (me)



Foundational Philosophy

- **Antonio Nava @ UC San Diego - AI & Lean Six Sigma**
 - Use AI to improve processes and save time



Raw Input



Prompt Response



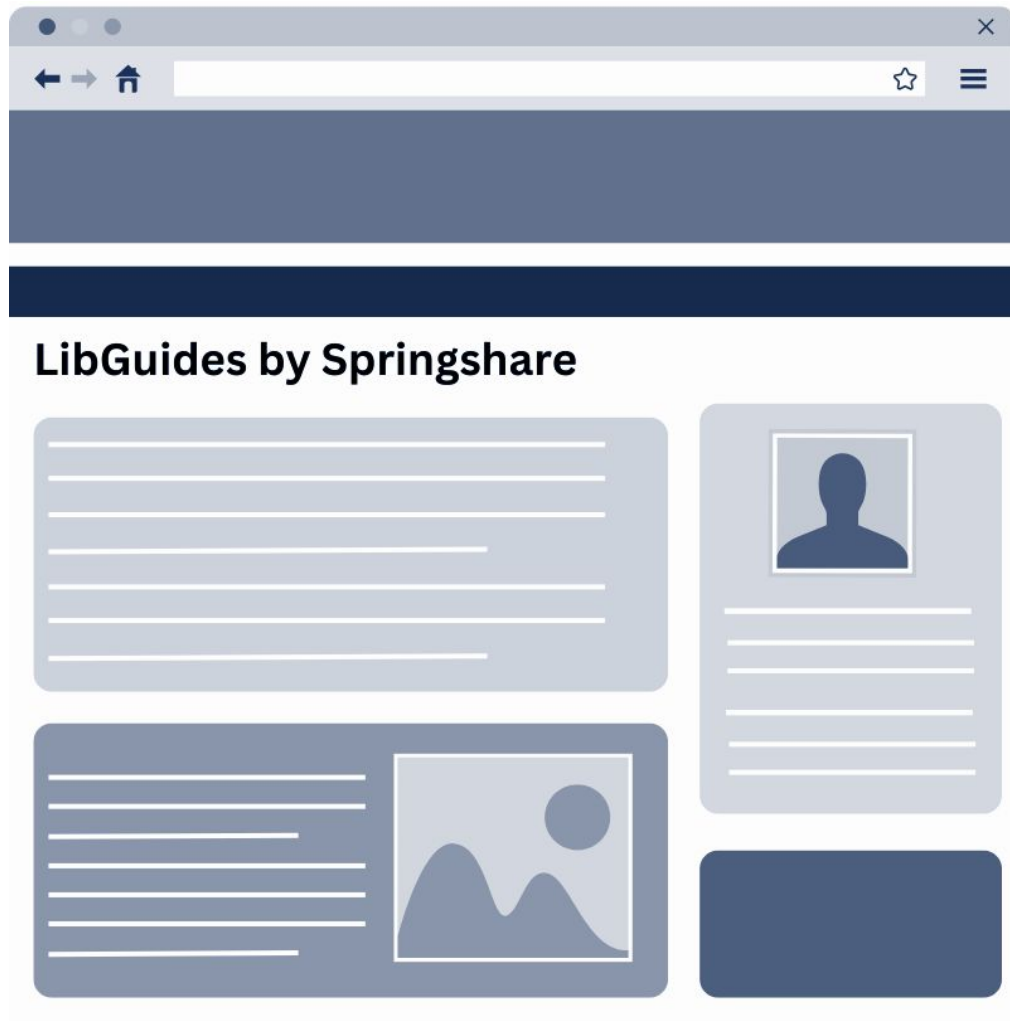
User Refinement

How Can AI Help Me?

- Boring or time consuming work, especially writing, where originality doesn't matter
- Tasks where the key information is not only in my head
- I know enough that I can check for accuracy, hallucinations, etc.



What fits the bill?



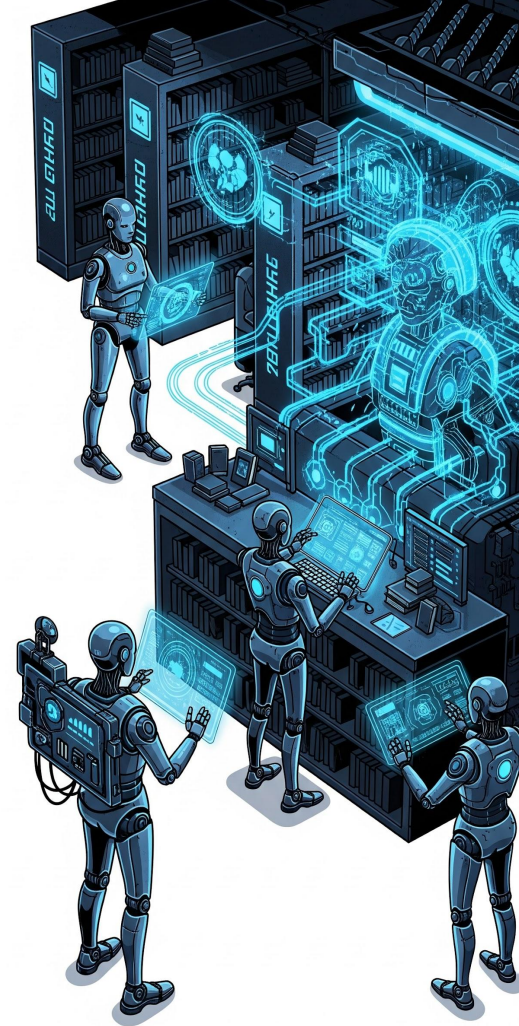
LibGuides Best Practices

- *TILPSPAIS* book chapter **epiphanies**
 - Users expect a **guide to show them how to do something** (Griffin and Taylor) - a list of links without context is not helpful.
 - Each **“tab” is actually a stand-alone web page** to users and search engines.
 - Users are more likely to find guides via search engine than from navigating the Library website (Brush).
 - Each tab should have explanatory context.
 - “Editing” a guide is actually **two functions** (Chee):
 1. **Selecting** and organizing the links
 2. **Writing** explanatory and contextual information
 - **Accessibility** isn’t just nice, for most libraries, it **is the law**

**So how have I used AI
to improve my guides?**

Which Tools?

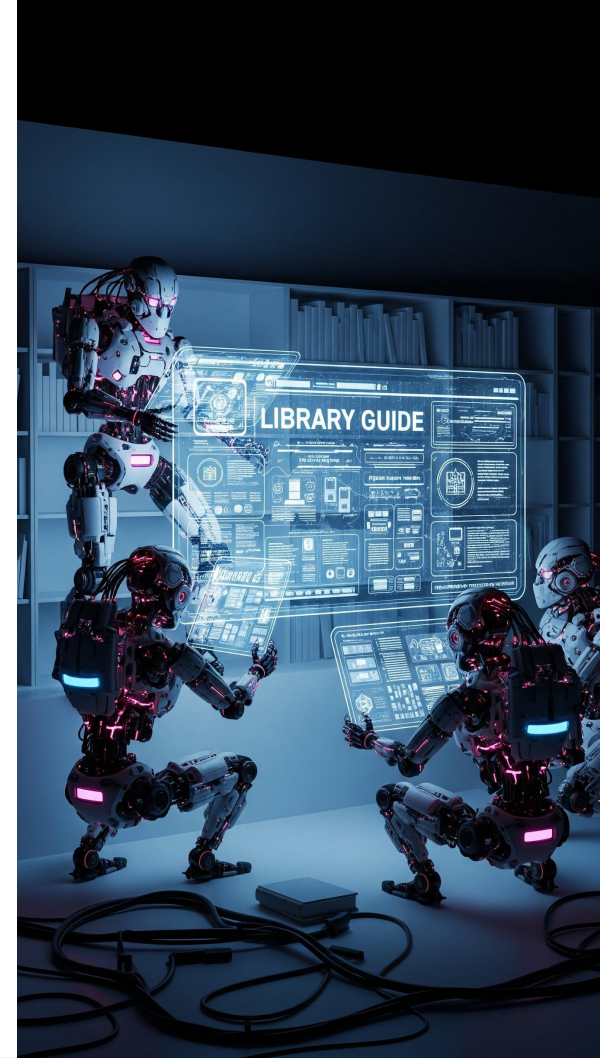
- Tools with Web Access
 - [Microsoft Copilot](#)
 - [Perplexity](#)
 - [ChatGPT](#)
 - [STORM \(Stanford\)](#)
- Best for Longer Writing
 - [Claude](#)
- Google tools
 - Google Workspace (Slides/Docs) integration, especially image generation
 - [NotebookLM](#)
- Various other image generation sites
 - [Napkin.ai](#)



Can AI Build a LibGuide?

Not Completely....

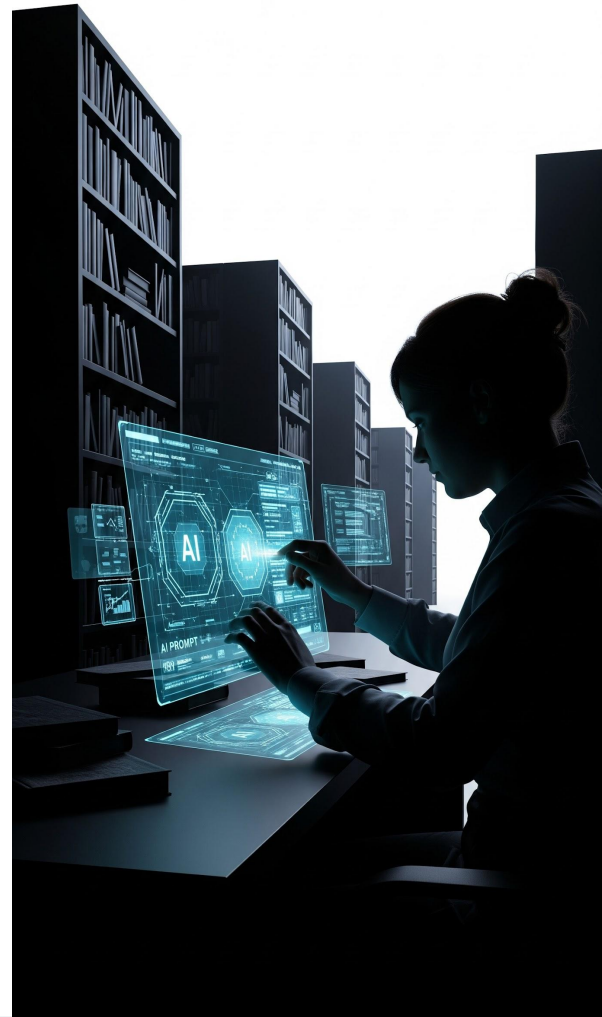
- But it can do a good job with
 - Rough draft
 - Outline, and then drafts of each section
 - It's especially good for individual pieces
- It still can't cut and paste into LibApps



Writing better link descriptions

Prompts

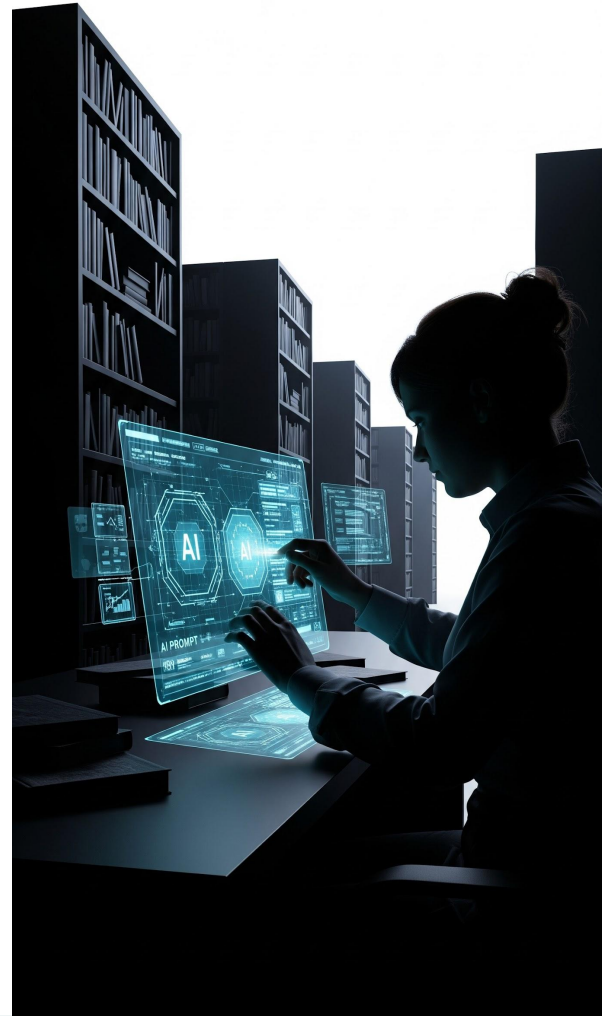
- Write a 3 sentence description of [url]
- Act as an academic librarian and write a description for a LibGuide of the following [dataset/database/website]
- Act as an academic librarian at a large public university...
- Act as an academic librarian at an R1 university...



Writing page and section introductions

Prompts

- Act as an academic librarian. Write a two sentence description...
- Act as an international government information librarian in an academic library...
- Write a short introduction to a political science libguide. Include these points:...
- Act as an academic librarian. Draft an introduction to this LibGuide: [url] This introduction should provide context to the included sources by explaining what Reports, Documents, and Policy are and why they are important to political science and other social sciences researchers and students. [Note: tab name was Reports, Documents, and Policy]



Vibe Coding

To Improve Accessibility

- ☐ Intergovernmental Organizations
- ☐ Nongovernmental Organizations
- ☐ Think Tank Search (Harvard)
- ☐ California NGOs

Regional Government Information

- ☐ Africa
- ☐ Canada
- ☐ Europa (EU)
- ☐ Mexico
- ☐ US Government (LiberGov)

Government & Policy Organizations

- ☐ Intergovernmental Organizations
- ☐ Nongovernmental Organizations
- ☐ Think Tank Search (Harvard)
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Regional Government Information

- ☐ Africa
- ☐ Canada
- ☐ Europa (EU)
- ☐ Mexico
- ☐ US Government (LiberGov)

Search Query:

Experimenting with Interactive Quizzes/Web Apps

Library Research Challenge!

1. When starting your research, what is the recommended first step according to the slides?

Choose your search strategies like Boolean operators.

Find peer-reviewed articles immediately.

Choose your topic and identify relevant keywords.

Connect to the library VPN.

Research Tool Matcher

Drag the 'Information Need' onto the 'Best Tool' for finding it.

Information Need

Books, ebooks, general articles, interlibrary loan

Federal or state laws (statutes), court cases, regulations

Peer-reviewed articles in a specific discipline (e.g., Public Health)

Scholarly law articles (often student-edited)

Proposed federal regulations and rules

Very broad search including full text, finding citing articles

Tracking state-level bills across the US

Policy briefs and reports from think tanks/advocacy groups

Best Tool

UC Library Search

Specialized Database (e.g., PubMed, PAIS)

Google Scholar

Legal Database (Westlaw, Nexis Uni)

Federal Register

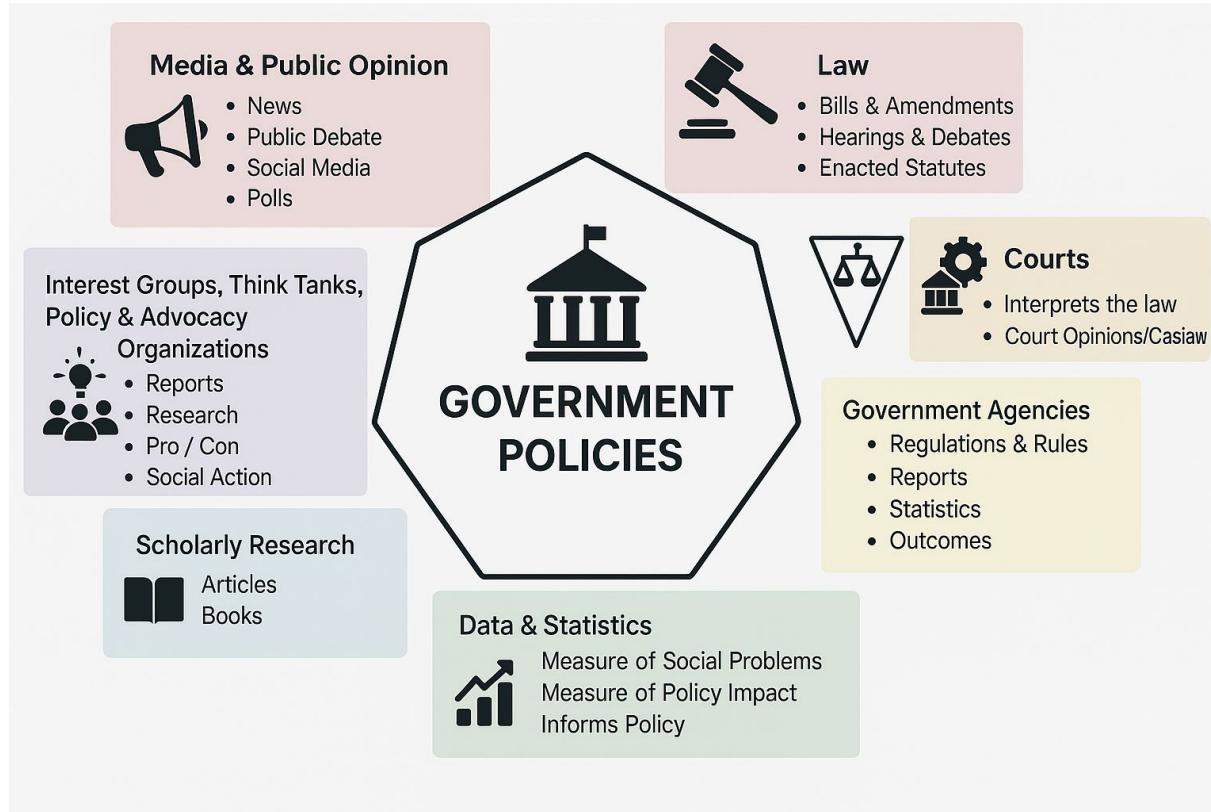
Think Tank/Govt. Websites (or Google Custom Search)

NCSL Bill Tracking Database

Law Reviews (HeinOnline, Law Review Commons)

Image Generation (Especially for embedded slides)





	Congress
	Courts
	Constitution
	Government
	Reports
	Data
	Scholarly Article
	Book
	News Media
	Megaphone
	Interest Group

Media & Public Opinion



- News
- Public Debate
- Social Media
- Polls

Law



- Bills & Amendments
- Hearings & Debates
- Enacted Statutes

Interest Groups, Think Tanks, Policy & Advocacy Organizations



- Reports
- Research
- Pro / Con
- Social Action

Scholarly Research



- Articles
- Books

Data & Statistics



- Measure of Social Problems
- Measure of Policy Impact
- Informs Policy

Government Policies

Government Agencies



- Regulations & Rules
- Reports
- Statistics
- Outcomes

Courts

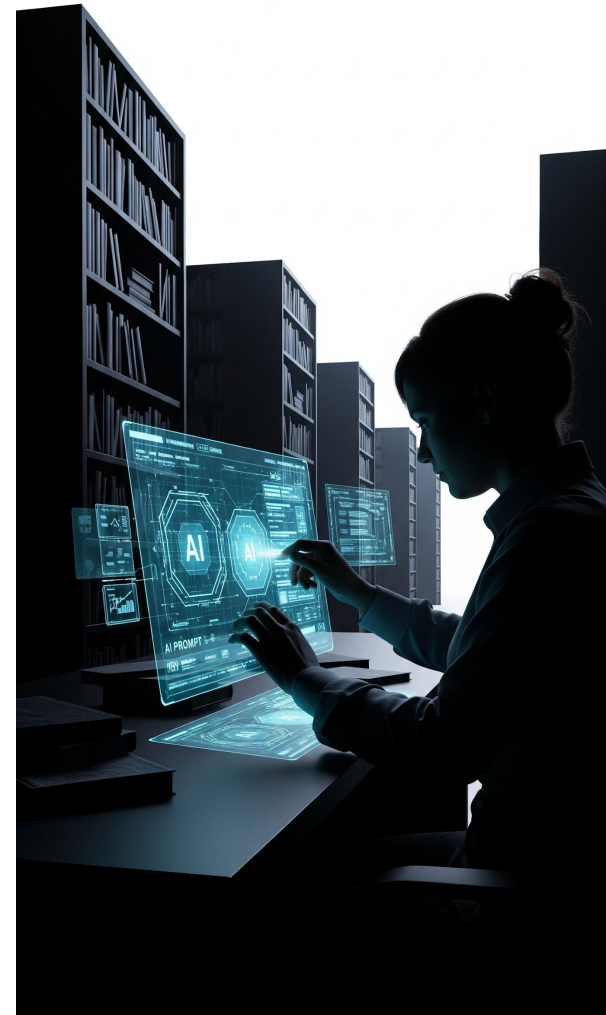


- Interprets the law
- Court Opinions/Caselaw

Identifying New Sources (Especially Datasets)

Prompts

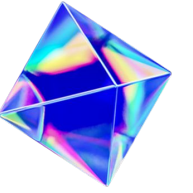
- I'm looking for a dataset that....
- datasets on...
- I am a graduate student in need of [description] data... [Add question as it was sent]
- Act as an academic researcher. i am looking for a dataset...



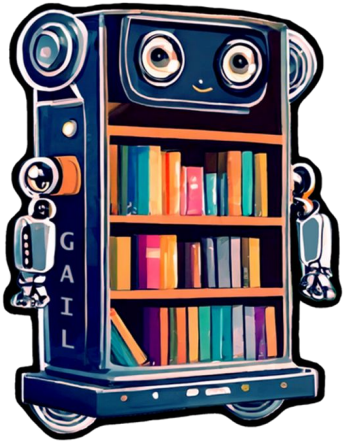
To Summarize, with Caveats

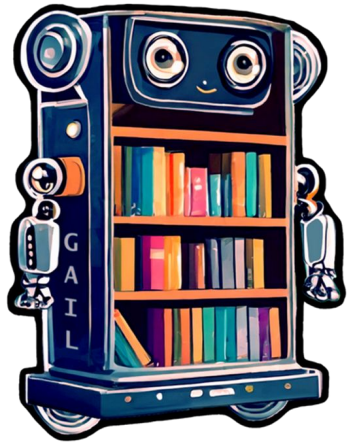
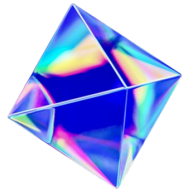
- At this point, AI can enhance human librarian work, not replace it
 - Agentic AI will change this, but chatbots can't point and click yet, so there's a lot of manual copying and pasting
 - AI cannot actually edit a LibGuide
- I use AI to do work I can verify or do myself - but that AI can do faster
 - Sometimes you get AI bloopers, even when the tool searches the internet





Questions?





Example Prompts and Resources

(Google Doc)

