

# Enabling Literacy & Research Innovation Through Digital Content

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# Redefining Literacy

**"'Literacy' no longer refers exclusively to the ability to read and write. It has become a synonym for almost any skill or competence."**

-[www.INSIDEHigherEd.com](http://www.INSIDEHigherEd.com)

# AI's Impact on Literacy

Today's students are growing up in an increasingly automated world.

**56% of College Students Have Used AI on Assignments or Exams**

**- BestColleges**

## Before ChatGPT

"I don't know the answer, let me find the correct one."

## After ChatGPT

"I don't know the answer, *give it to me.*"

# The Real Automation is Just Starting

Can you believe ChatGPT only released at the end **2022**?

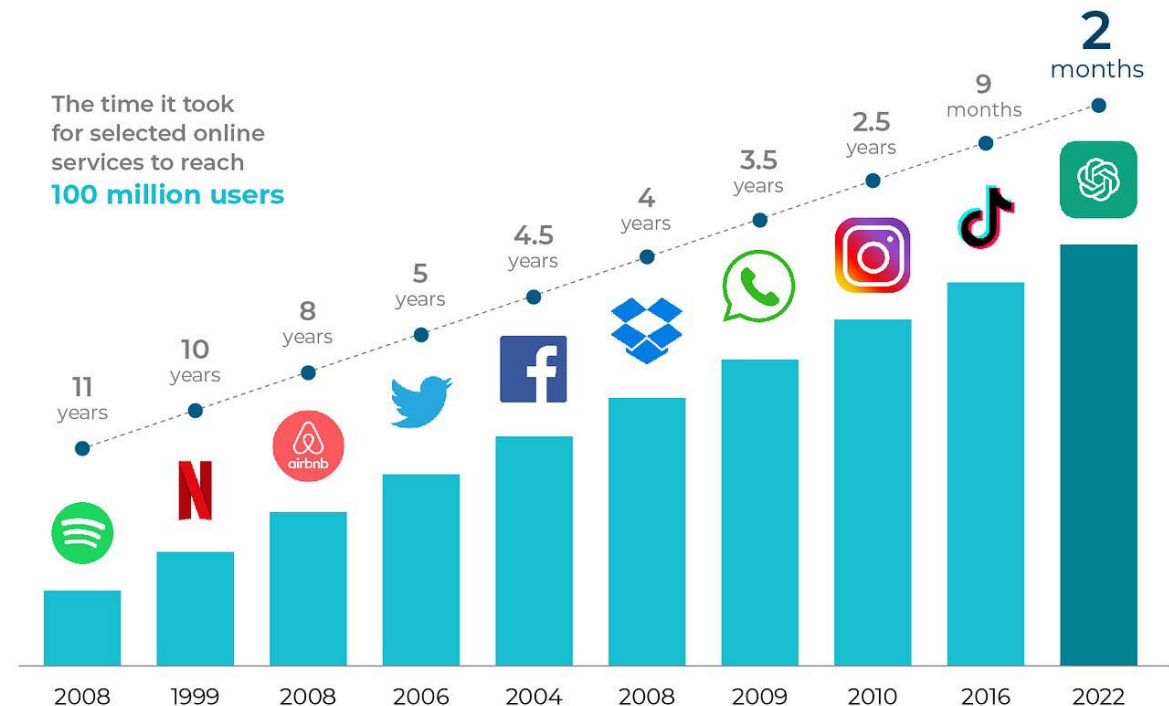
In less than 2 years, students can now use AI for:

- Content Creation
- Analysis
- Summarization
- Extraction
- Prediction
- Voice Presentations
- Video Presentations
- Coding

and **SO much more.**



## Chat-GPT sprints to 100 million users



Source: World of Statistics

# The Impact of Reliable Content and Sources

What does a world without reliable sources look like?

Denver Guardian



The Onion  
<https://www.theonion.com>

The Onion | America's Finest News Source.

.CO

## ChatGPT Cites Economics Papers

## That Do Not Exist

– Economist Writing Every Day

Write a brief (less than 250 words) summary of the research in experimental economics on the relationship between the perishability of assets and the occurrence of price bubbles. Include specific citations that are detailed in a separate "References" section.

Research in experimental economics has shown that the perishability of assets can have a significant impact on the occurrence of price bubbles. In particular, studies have found that when assets have a limited lifespan, such as perishable goods or assets that lose value over time, market participants may engage in speculative behavior, leading to the formation of price bubbles.

One key study in this area is "Perishable Assets and Speculative Behavior" by Lisa R. Goldberg, published in the American Economic Review in 2002. This study used an experimental market to examine the impact of perishability on speculative behavior and found that when assets were perishable, market participants were more likely to engage in speculative behavior, leading to the formation of price bubbles.

Another study in this area is "Experimental Asset Markets with Perishable Goods" by S. Abu Turab Raza, published in the Journal of Economic Dynamics and Control in 2013. This study used a laboratory experiment to examine the impact of perishability on the dynamics of asset prices and found that when assets were perishable, market participants engaged in speculative behavior and price bubbles formed more frequently.

Overall, research in experimental economics suggests that when assets are perishable, market participants are more likely to engage in speculative behavior, leading to the formation of price bubbles.

References:

1. Goldberg, L. R. (2002). Perishable assets and speculative behavior. American Economic Review, 92(4), 1091-1102.
2. Raza, S. A. T. (2013). Experimental asset markets with perishable goods. Journal of Economic Dynamics and Control, 37(8), 1698-1717.

# Achieving Research Literacy

Research literacy is a set of interdisciplinary, transferable competencies that help individuals determine and diminish knowledge gaps.

To do research, students need to have...

**A Topic or Thesis**

Individually

**A Way to Record and Analyze Their Research**

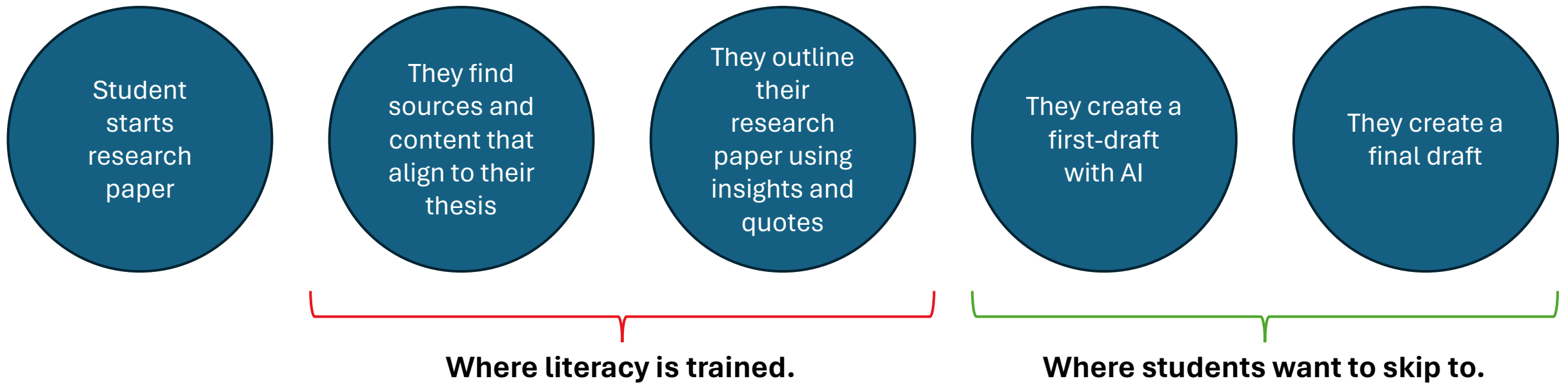
Microsoft Word  
or Notebook

**Accessible Content and Sources for Information**

*Google? Wikipedia?  
ChatGPT?*

# Students Will Gravitate to the Simplest Option

Understanding the student mindset about utilizing sources and content for research is **necessary** as we head towards an AI-powered future.



# What is the Student Mindset?

**Forbes**

## How Academia, Google Scholar And Predatory Publishers Help Feed Academic Fake News

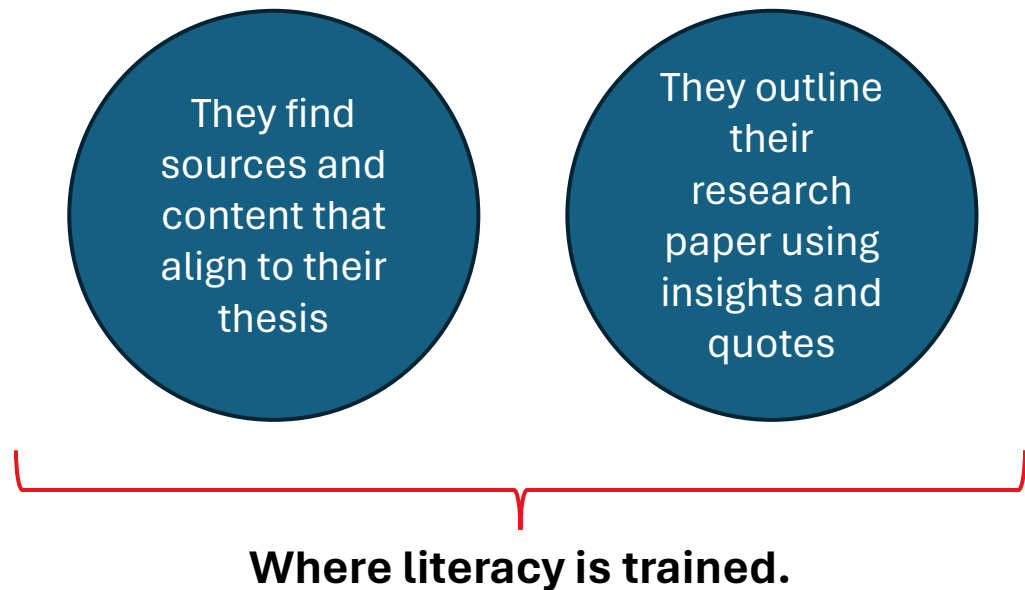
‘Not a day goes by that an academic paper doesn’t pass through my inbox that contains at least one claim that the authors attribute to a source it did not come from.’

‘Academia today places such immense pressure on students and faculty to publish that they simply don’t have time to read papers in detail before citing them’

-Kalev Leetaru

# The Future of Research Literacy

To keep these steps as a part of the research process, **libraries will need to adopt digital tools that make them fast and outcome-driven like AI** while retaining the actual discovery process of scouring through data and content.

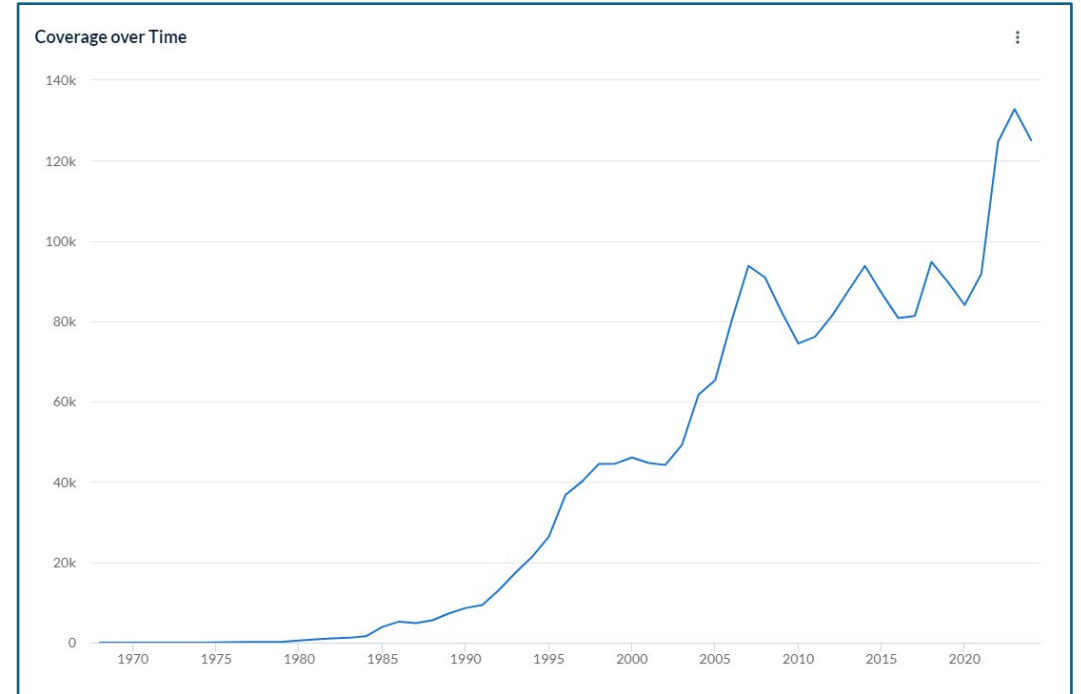
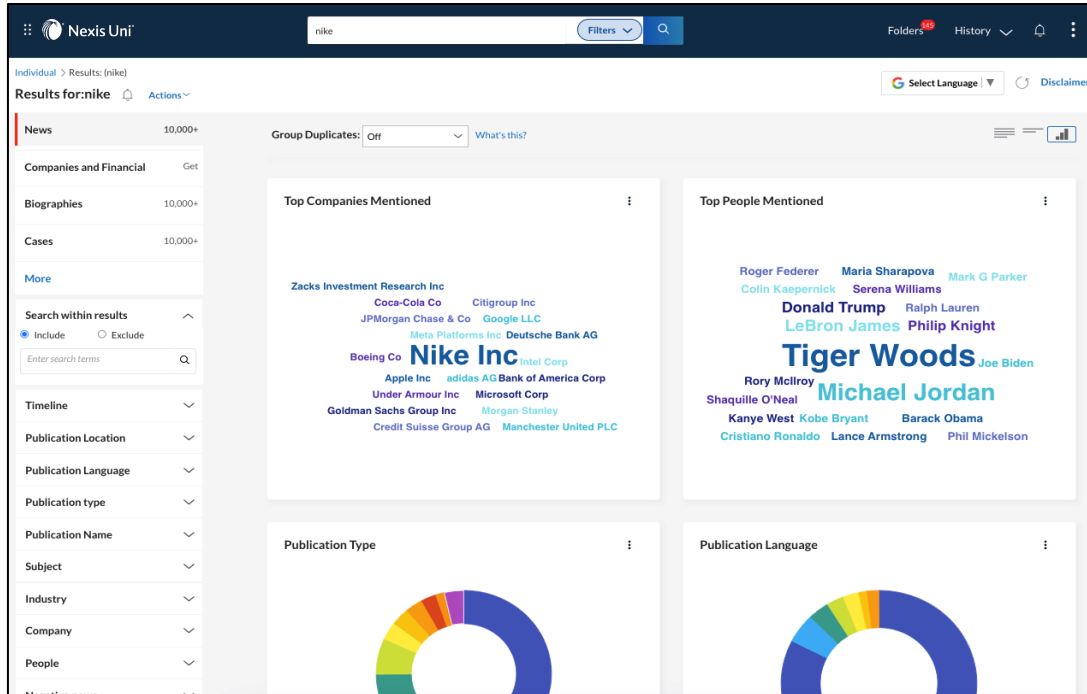


**To keep pace with the likes of ChatGPT, research and database solutions that will attract academic researchers will need to help save time:**

- Research Guidance Tools
- Natural Language Searching
- Automated Citations
- Long-Form Content Summarization
- First-Draft Capabilities
- Visualizations

# Meeting Student Expectations With Insights

Academic research tools are beginning to offer new and innovative ways to automate some of the research process while retaining the key parts that promote new standards of literacy

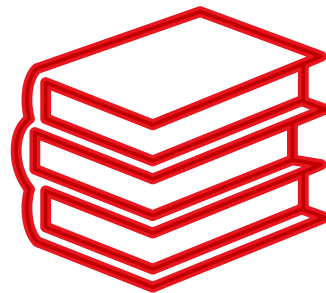


# With Declining Budgets, Librarians More Than Ever Need to Heavily Vet and Actively Promote the Right Resources

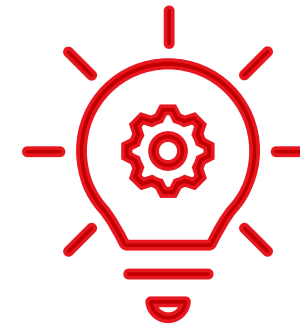
**Having an extensive database collection in a Discovery Service will not be enough.**



**When a student has access to time saving and insightful research tools...**



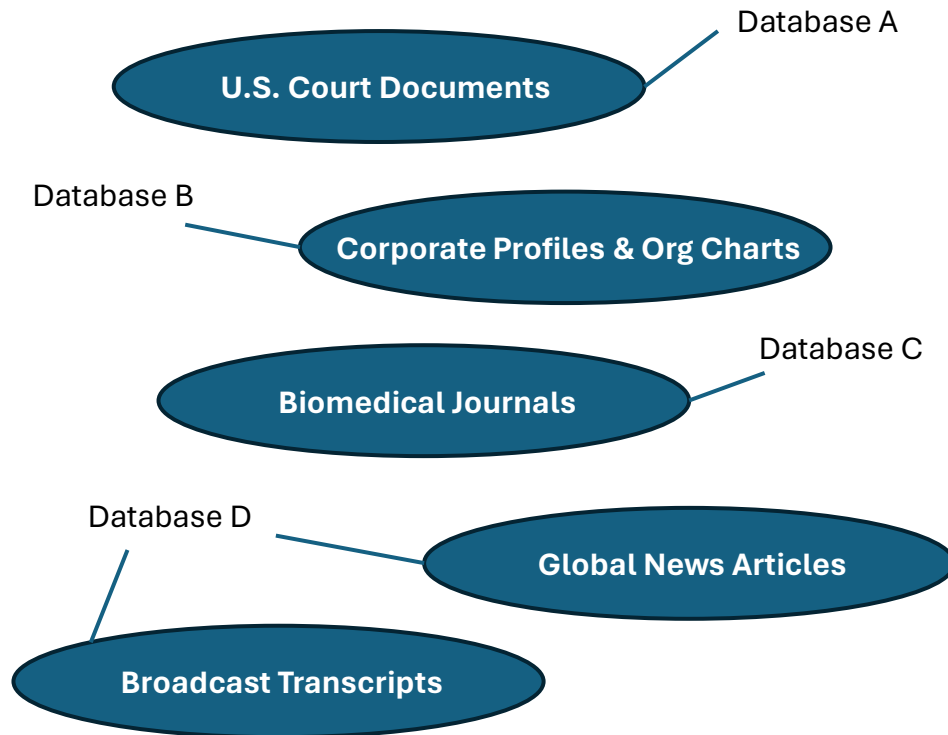
**...and an expansive collection of content and sources...**



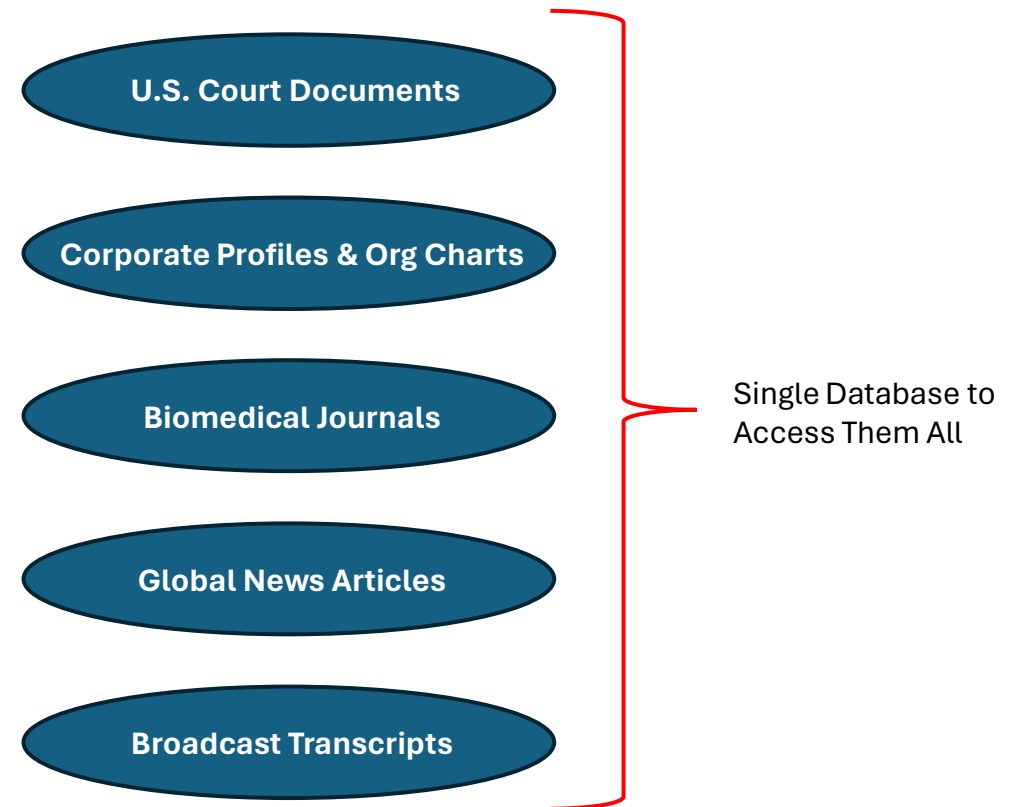
**...literacy is trained, and research innovations flourish.**

# Navigating budget restrictions to drive innovation

## Specialized Databases



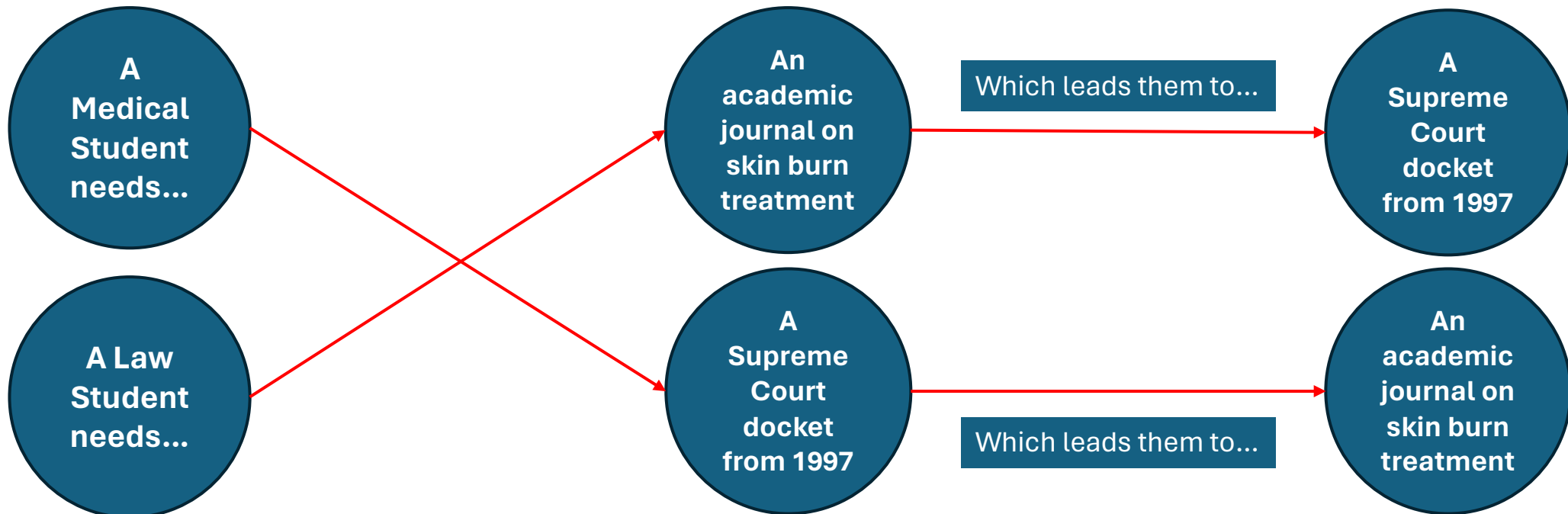
## Cross-Discipline Databases



# Literacy is Driven by Exploration

It's hard to predict where your research will take you.

The information a researcher is seeking is not always an end point, but a beginning to a new path of their research that **make connections across sources and research outcomes.**



# Key Takeaways

- 1. Literacy is evolving, and so are the means of teaching literacy to students, due to AI and other innovations.**
- 2. To teach literacy skills in this age, libraries will need their digital research resources to provide tools that speed up time to insights and allow researchers to explore across content types.**
- 3. Students will almost always gravitate towards the easiest option; be sure to promote the value your collections provide to students including visualizations, trending, content summarization, natural language search and other features students are looking for**
- 4. Cross-Discipline databases provide broader collections of content for researchers that lets them open new paths in their research and limits how many different tools they need to use per project, leading to more rapid research outcomes and innovation.**

# Enabling Literacy & Research Innovation Through Digital Content



**Thank You All!**