

















Tools & Resources

Credit: Associated Colleges of the South

 Legend:

Color	Category	Description
 Blue	Research Discovery & Summarization	Tools that help locate, review, and summarize academic sources
 Green	Content Creation & Communication	Tools that assist with writing, editing, designing, and presenting
 Purple	Idea Development & Note-Taking	Tools that support capturing and structuring early ideas
 Red	Data & Code Productivity	Tools for programming, data cleaning, and technical tasks
 Yellow	Project Management & Operational Tools	Tools that support administrative and collaborative efficiency

AI Tool	Advantages	Disadvantages
ChatGPT  Blue  Purple	Summarizing Data - Versatile tool for drafting documents, brainstorming, answering technical questions, and coding support. Speeds up tasks across research, education, and grant writing.	May generate outputs with inaccuracies or biased information. Requires careful editing to align with academic and professional standards.
Consensus.app/  Blue	AI Search Engine for Research; need to test out -  This AI Tool Finds the Best Research Instantly - A... Consensus.app is an AI-powered search engine designed to accelerate academic research by summarizing and analyzing scientific papers. It offers advantages like time efficiency, evidence-based results, and a user-friendly interface,	It also has limitations such as potential for bias, limited free features, and the risk of oversimplifying research findings.
contentatscale.ai	- Good for getting AI to write like you	Quality and originality of content may require significant

 Green	<ul style="list-style-type: none"> - Efficient for generating large amounts of written content, such as research summaries, blog posts, or outreach materials. Can automate repetitive writing tasks, freeing up time for strategic work. 	<p>human editing. Risk of inaccuracies or inappropriate tone for academic and grant-writing purposes.</p>
CoPilot - GitHub  Red	<ul style="list-style-type: none"> - Assists with coding tasks, debugging, and automating repetitive programming activities. Increases productivity for computational research projects. 	<p>Risk of over-reliance leading to superficial understanding of code. May generate suboptimal solutions for specialized problems.</p>
Elicit  Blue	<ul style="list-style-type: none"> Finds articles and provides summary - Simplifies literature reviews by surfacing relevant research papers and organizing findings. Useful for grant writing to build strong evidence bases. 	<p>May not always retrieve the most relevant or comprehensive set of academic articles. Requires manual validation of results to ensure quality.</p>
Flux[1.1] pro  Yellow	<ul style="list-style-type: none"> - Create realistic photos that is better than ChatGPT and good with in-photo text - Useful for project management and tracking collaborative research tasks. Enhances team productivity by organizing workflows and deadlines. 	<p>May have a steep learning curve for users unfamiliar with its interface. Requires customization to fit specific research and educational workflows.</p>
Gamma.ai  Green	<ul style="list-style-type: none"> Generates presentations from notes (outlines and fully developed notes) - Allows for quick generation of PowerPoint slides and presentations, making it a valuable tool for creating visually engaging and organized educational materials, research presentations, and grant proposals. Saves time by automating slide layouts and formatting, and can integrate data visualizations seamlessly. 	<ul style="list-style-type: none"> High reliance on proper configuration. Mismanagement can lead to restricted access or workflow interruptions. - Automatically generated slides may require significant customization to align with specific branding, tone, or academic standards. Complex research content may not translate perfectly without manual input or adjustments.
Grammarly  Green	<ul style="list-style-type: none"> - They have an AI Plagiarism Checker - Provides robust grammar and style checks, ensuring professional-quality writing. Useful for improving clarity and readability in research papers, grant proposals, and educational content. 	<p>Limited in providing context-sensitive suggestions for technical or specialized academic language. May over-simplify complex arguments or alter intended meaning.</p>
Jeni  Red	<ul style="list-style-type: none"> - Aids in data cleaning and preparation, streamlining the process of making datasets analysis-ready. Supports 	<p>May require technical expertise for integration with complex datasets. Customization options could be limited.</p>

	research efficiency in computational projects.	
Luma Labs ● Green	- Generate video from a still photo - Ideal for data visualization and AI model testing. Facilitates student learning and research presentations by creating clear, interactive visual aids.	Limited functionality if not integrated with the specific datasets used in research. Advanced features may require programming skills or specialized training.
Microsoft Copilot ● Red	Microsoft Copilot is an AI-powered assistant designed to enhance productivity and streamline tasks across the Microsoft 365 suite of applications	Organizations need to carefully assess their specific needs, implement robust security and governance measures, invest in user training, and maintain a balance between AI assistance and human oversight to maximize its benefits while mitigating potential drawbacks.
Napkin ● Purple	- Great for capturing and organizing fragmented ideas during brainstorming sessions. Useful in early-stage grant development and research planning.	Best suited for ideation, not execution. Limited utility for in-depth analysis or finalizing polished work.
NotebookLm ● Purple ● Blue	- Allows users to interactively explore and synthesize notes, making it valuable for researchers and students. Helps in organizing knowledge for complex grants.	Restricted to structured note-taking workflows, which may not suit all users. Relatively new, so feature set might not be fully developed.
Perplexity ● Blue	Finds articles - Excellent for exploratory research and brainstorming by providing quick answers and contextual links to broader resources.	Information retrieved may lack depth or academic rigor. Users need to cross-check facts to ensure reliability.
Recite ● Green	Reference check: Checks your inline references against reference list) - Enhances oral presentation skills by providing feedback on speech patterns, tone, and pacing. Beneficial for preparing grant presentations or lectures.	Limited contextual understanding for highly technical or research-specific terminology. Feedback may feel generic without tailored training modules.
Research Rabbit Ai ● Blue	It will query literature review and help you to do mind maps. Research Rabbit is an AI-powered tool designed to aid researchers in literature discovery and review. It also offers numerous advantages like free access, visual mapping of connections between papers, and AI-driven recommendations	It also presents some challenges, including a potentially overwhelming interface and reliance on a database that might not always be fully up-to-date.

<p>Rezi ● Green</p>	<p>- Optimized for crafting resumes and professional documents. Useful for creating staff bios or researcher profiles for grants.</p>	<p>Limited utility outside of resume creation. May not accommodate academic writing nuances.</p>
<p>Utterai ● Yellow</p>	<p>Recording meetings and interviews - Facilitates transcription and note-taking during meetings and collaborative sessions. Increases accuracy and speed for documenting discussions.</p>	<p>Facilitates transcription and note-taking during meetings and collaborative sessions. Increases accuracy and speed for documenting discussions.</p>
<p>You.com ● Blue</p>	<p>You.com presents a compelling alternative to traditional search engines by prioritizing user privacy and offering a personalized, AI-driven experience with integrated tools for research, creativity, and productivity. Its focus on user control and privacy, alongside its innovative use of AI, positions You.com as a significant player in the evolving landscape of online information retrieval.</p>	<p>However, users should be aware of the potential learning curve, possible limitations in the database compared to giants like Google, and the potential for AI-related ethical concerns like bias and misinformation.</p>