



# NATIONAL INSTITUTE ON ARTIFICIAL INTELLIGENCE IN SOCIETY

<http://csus.edu/ai>



## Writing with AI

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### 1. Aggregator of Information/Literature review:

- "Compile a summary of recent studies on the effectiveness of online education."
- "Gather key arguments from different sources about the debate on universal basic income."
- "Provide an overview of the current research on the potential applications of CRISPR technology in gene editing."

### 2. Brainstorming:

- "I'm exploring the impact of social media on mental health. Can you help me brainstorm some key points for my article?"
- "I want to write a story set in a futuristic city. Can you generate some plot ideas and character concepts?"
- "I'm designing a study to investigate the relationship between sleep patterns and cognitive performance. Can you suggest some variables to include?"

### 3. Writing Partner:

- "Based on my notes about the French Revolution, can you help me write an introductory paragraph?"
- "I have a concept for a blog post on mindfulness. Can you assist me in expanding it into a full article?"
- "I'm drafting a methodology section for my psychology study. Can you help me articulate the experimental design and data analysis plan?"

### 4. Feedback Provider:

- "Here's a draft of my essay on climate change. Can you provide feedback on the coherence and flow of my arguments?"
- "I've written a short story. Can you analyze the narrative structure and suggest improvements?"
- "I've created a poster for my biology research project. Can you review the content and offer suggestions to make it more informative and visually appealing?"

### 5. Editor and Copy Editor:

- "I've completed a report on renewable energy. Can you edit it for clarity and conciseness?"
- "Please proofread my research paper for grammatical errors and ensure it adheres to APA style."
- "I've written a manuscript for submission to a peer-reviewed journal. Can you review it and make necessary revisions to improve its chances of acceptance?"

### 6. Coach/Tutor:

- "Explain the concept of supply and demand in economics and provide examples."

- "Help me understand the themes in Shakespeare's Hamlet and how they relate to the characters."
- "I'm struggling with interpreting the results of my ANOVA test. Can you walk me through the output and explain what it means for my hypothesis?"

## Practical tips

1. **Sloppy Jotting:** Start by quickly jotting down your ideas or content without worrying about grammar or structure. This raw material can then be refined by AI to produce polished text.
2. **Chunking Your Text:** Break down your writing into smaller chunks or sections. This makes it easier for AI to manage and process the text, leading to more coherent and contextually appropriate output.
3. **Use Active Verbs in Prompts:** When giving tasks to AI, use active verbs like "elaborate," "summarize," or "critique." This clarity helps AI understand exactly what you want it to do.
4. **Feed AI with Contextual Information:** Provide AI with sufficient background information or context for your writing task. This "food" for AI ensures that the generated content is relevant and accurate.
5. **Iterative Refinement:** Use AI's output as a starting point and iteratively refine it. Provide feedback, ask for revisions, or add new instructions to improve the quality of the text.
6. **Leverage Conversational Memory:** Keep conversations going for longer tasks. This helps maintain consistency and context throughout your writing project.
7. **Explore Different Genres:** Experiment with AI's ability to write in different genres. Specify the genre in your prompts to guide AI's tone, style, and voice.

## Recommended tools: Paid versions tend to be about \$20/month.

- ChatGPT : Writing, image generation, numeric data analysis. Use its broad range of custom GPTs
- MS Co-Pilot: Same as ChatGPT, but integrated with other MS Office tools
- Claude: Better at processing longer text, such as transcripts. As intelligent as ChatGPT, if not more. More consistent style.
- Gemini: Writing, advanced image generation.