

Demystifying AI: Leveraging AI for Critical Thinking and Effective Writing

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*Portions of this presentation were made with the assistance of
ChatGPT 4o

Agenda

- The Writing Process
- Layered and Step Stone Writing
- Prompting Basics
- Creating an Outline
- Creating a Thesis Statement
 - Using Bloom's Taxonomy
 - Writing Summarizations (Introductions and Conclusions)
- Paragraph Structure
- Critical Evaluation Prompts
- Writing Grammatically



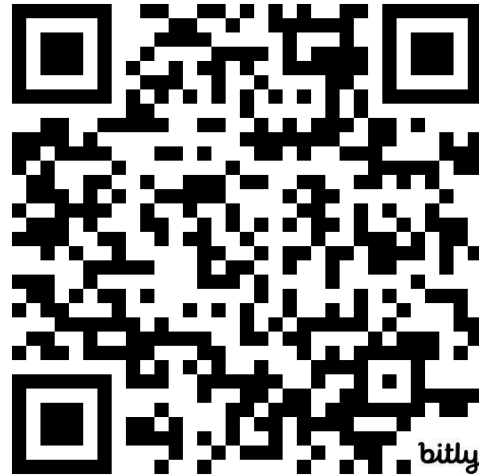
thinking



writing

Handout & ChatGPT

bit.ly/WWStyleAI



Working with AI

Working with LLMs is a

DIALOGICAL PROCESS

The Writing Process

Traditional writing processes follow this sequence:

Outline > Down Draft > Up Draft > Final Revision

Layered and Stepstone Process

When creating a draft of a piece of writing using AI, break down complex ideas into parts. This segmentation allows AI to address each component in-depth, supporting complex content development and evaluation.

This presentation will provide a framework for how to start a draft and provide tools to think critically throughout the writing process.

Prompting Basics

- Articulate the Task
 - Brainstorm
 - Organize
 - Generate or write
 - Outline
- Provide Context
 - Describe the information that you have gathered
 - Address problem or purpose of the writing
- Act As...
- Identify the Audience
- Write in the Style of:
 - Business, Academics, Professional, Casual
- Write in the Tone of:
 - Factual, Technical, Hopeful, Concerning, Reflective
- Define Length and Format
 - Number of Words, Prose, Outline
- Additional Instructions: Be concise; Expand on details; Do not dramatically change phrasings

Outline Prompt Example

I am writing an essay about how to use Community-Centered Research methods in the university setting. **Act as** an academic expert in community-based participatory research to generate **an outline** for how the University of Indianapolis can utilize community-engaged programming to enhance its outreach, community impact, and local partnerships. **This outline will be viewed by** key administrators, faculty, and community stakeholders. **Please write this in an** academic and professional tone underlying an uplifting and hopeful tone. **This outline will be used for a** peer-reviewed publication, so the **outline must be extensive**. We will continue to work together to refine the outline together.

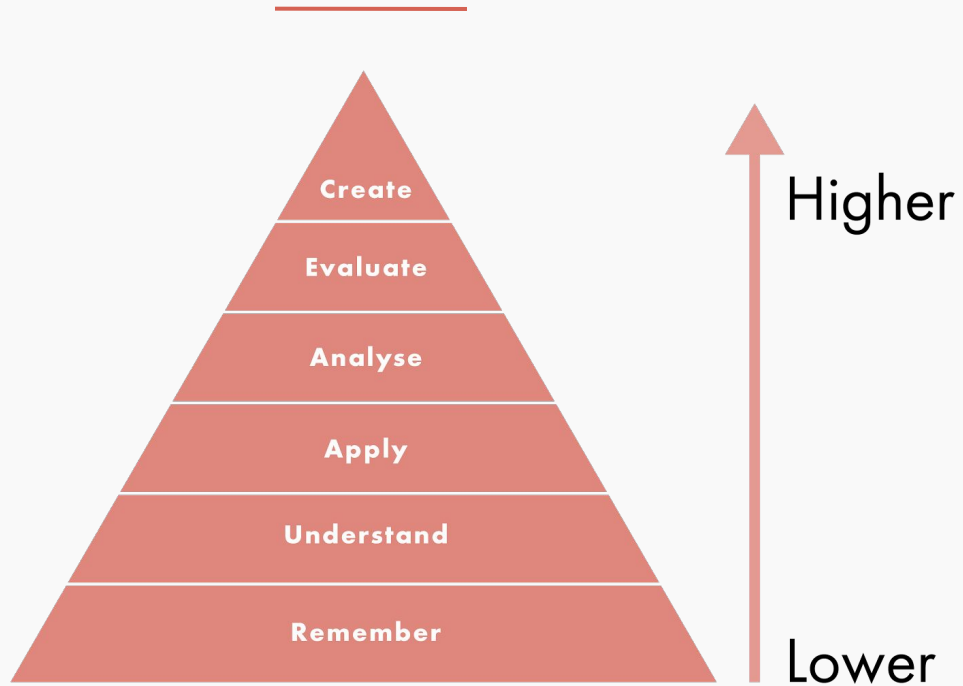
Outline Example

<https://chatgpt.com/share/67295856-9344-800e-b59d-5743f0f71056>

Creating a Thesis Statement

- Identifies the purpose of piece
- Identifies an argument used throughout the piece
 - that will be expounded upon and defended
- Identifies what level of higher-order thinking will be demonstrated

Bloom's Taxonomy



Bloom's Taxonomy

Example Verbs

Remember	Comprehension	Application	Analysis	Evaluate	Create
Define	Summarize	Solve	Calculate	Criticize	Design
Identify	Interpret	Relate	Connect	Reframe	Modify
Describe	Classify	Complete	Devise	Judge	Role-play
Recognize	Compare	Use	Correlate	Defend	Develop
Recite	Contrast	Teach	Illustrate	Appraise	Write
Memorize	Infer	Articulate	Distill	Value	Pivot
Quote	Paraphrase	Determine	Conclude	Prioritize	Modify
	Cite		Categorize	Plan	Collaborate
			Take a Part		Invent
			Organize		

Thesis Prompt Example

Craft a thesis statement for this piece using Bloom's Taxonomy. [You may want to specify which tier of Bloom's taxonomy to focus on.] Then write an introduction using this thesis.

Output Example

1. **Understand (Comprehension)** - Explain the importance of community-centered research (CCR) in the context of a university setting and its potential benefits for community engagement.
2. **Apply (Application)** - Discuss how theories and methodologies of CCR can be applied to enhance university-community partnerships.
3. **Analyze (Analysis)** - Identify the components of successful community-university collaborations and analyze how they can be integrated into existing structures at UIndy.
4. **Evaluate (Evaluation)** - Assess the potential outcomes of implementing a CCR approach at UIndy and its long-term impact on both the university and the local community.
5. **Create (Synthesis)** - Propose a new model or framework for CCR at UIndy that draws on theoretical and practical insights to maximize community engagement and impact.

Output Example

This essay proposes a dynamic framework for integrating Community-Centered Research (CCR) at the University of Indianapolis, grounded in participatory and ecological systems theories, to transform both the university's outreach and its community impact. By **systematically applying** critical theory and asset-based community development principles, UIndy can **create** sustainable, mutually beneficial partnerships that not only address local socio-economic challenges but also enhance academic learning and research outcomes.

Critical Evaluation Prompt

Evaluate the strengths and weaknesses of this argument, focusing on its logic, supporting evidence, and overall persuasiveness. Identify any assumptions that may weaken the argument and suggest areas where additional evidence could strengthen it.

Paragraph Structure

- Topic Sentences
- Active Sentences
- Organization and Clarity
- Linking Words and Transitions

Paragraph Prompt Example

Organize the following paragraph to have a clear topic sentence, use active sentences when appropriate, and use linking words to enhance clarity. Please organize sentences to enhance logical coherence and overall clarity.

Final Revision Tips

In the Final Revision stage focus on several tasks:

- Correcting grammar
- Making minor adjustments for clarity, and
- Appropriately format in your designated professional style (such as APA or MLA).

Grammar Prompt Example

Please review the following text for grammar, punctuation, and syntax improvements. Make necessary corrections, and highlight each change made by bolding the text to note the alterations. Additionally, briefly explain why each change was made to enhance clarity and correctness.

Style Format Prompt

Please review the following text for adherence to APA formatting guidelines. Ensure that all citations, references, headings, and general text formatting align with APA standards. Correct any issues with in-text citations and the reference list (e.g., author names, publication dates, capitalization, italicization). Highlight each adjustment or briefly annotate changes to explain how they bring the text into APA compliance.

Future Presentation

Stay Tuned for a Full Workshop in April 2025

1

Greater emphasis on the stages of the writing process

2

Divergent Thinking Strategies

3

Structural Strategies such as Parallel Writing and Stress Positions

4

Voicing, Word Choice, and Metaphors



Questions?
