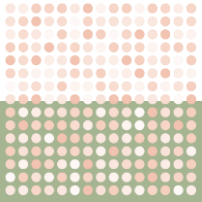
GLION SELF-HELP SERIES

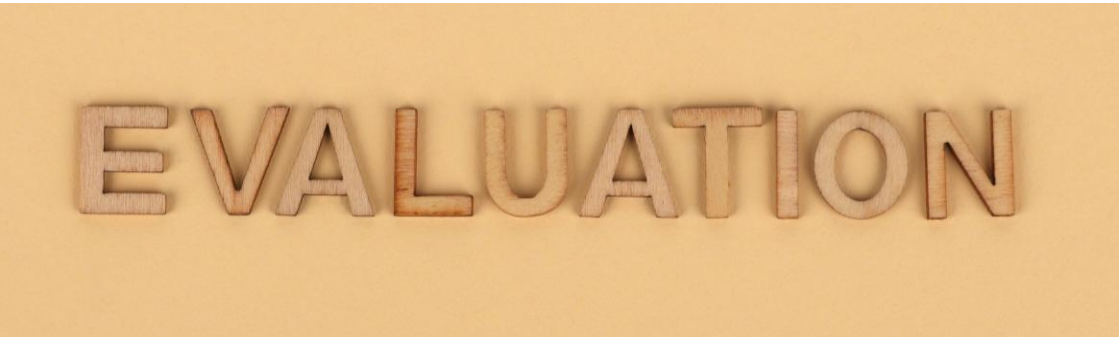
Learning
Support



How to evaluate AI-generated results

AI tools like ChatGPT can be incredibly helpful for brainstorming, summarising, and clarifying ideas — but they can also make mistakes, oversimplify concepts, or generate information that sounds correct but isn't accurate.

Evaluating AI-generated results is essential to ensure your work remains trustworthy, academically rigorous, and aligned with university expectations.



Why evaluate AI results?

Because AI may:

- Invent facts, theories, or definitions ("hallucinations")
- Generate fake citations
- Oversimplify complex topics
- Reinforce stereotypes or hidden bias
- Misinterpret prompts
- Produce outdated or incorrect information

You are responsible for verifying everything you use.

What does “evaluation” mean?

Evaluating AI means checking whether the information is:

- Accurate
- Relevant
- Up-to-date
- Bias-free
- Supported by real sources
- Consistent with your understanding

Evaluation ensures AI supports — not replaces — academic thinking.

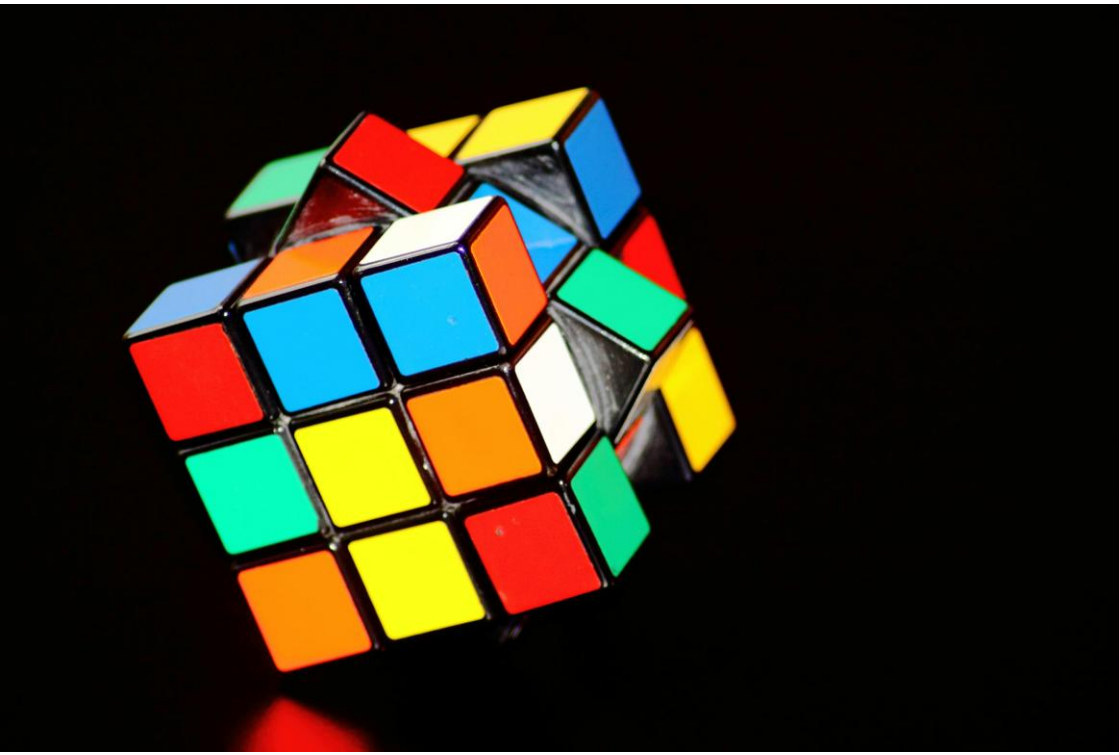
Step-by-step: how to use AI ethically

1 Ask: “Does this make sense?”

Start with critical thinking:

- Does the explanation follow logic?
- Does it match what I already know?
- Are there contradictions or unclear claims?

If something feels too vague or too perfect, investigate further.



2 Check accuracy against trusted sources

Use:

- Peer-reviewed journal articles
- Textbooks
- Reputable websites (government, academic, professional organisations)
- Your library databases

Ask yourself:

- Can I confirm each main claim?
- Do real sources support the definitions, theories, or statistics?

If you cannot verify it, do not use it.

3 Verify all citations and references

AI can:
- Invent academic articles
- Replace authors' names
- Mix up titles and journals
- Provide incorrect DOIs

Always check:
- Does the article actually exist?
- Do the authors, dates, and journal names match?
- Does the link work?

If anything looks suspicious — double-check via your library website or Google Scholar.

4 Look for bias or stereotypes

AI is trained on large datasets that may include:
- Cultural bias
- Gender bias
- Outdated assumptions
- Stereotypical language

Ask:
- Does the answer oversimplify groups or cultures?
- Does it sound judgemental or one-sided?
- Is the language neutral and professional?

If not, rewrite or remove those parts.

5 Check for logical structure & depth

AI output may be technically correct but:

- Too shallow
- Missing key details
- Overly general
- Repetitive

Evaluate whether the content shows *real understanding*.
If it reads like a list without analysis, it must be expanded with your own thinking.

6 Ensure the ideas reflect your voice and understanding

Even if AI content is accurate, your work must show:

- Your interpretation
- Your critical thinking
- Your examples
- Your academic voice

If you can't explain the answer in your own words → you shouldn't include it.

7 Consider the date

AI models do not always know the most current version of:

- Laws and regulations
- Industry standards
- Statistical data
- Recent research
- Trends or technology

Always check whether information is up-to-date.

Sample evaluation of AI output

Prompt:

"Explain service quality in hospitality."

AI Output:

A list of dimensions but missing two essential ones and includes one that doesn't exist in the literature.

Evaluation:

- Cross-checked with a hospitality management textbook
- Verified the five standard dimensions (reliability, assurance, tangibles, empathy, responsiveness)
- Noted that AI added an incorrect dimension
- Replaced AI's explanation with correct, verified information
- Added real citations from academic sources

Outcome:

Accurate, academically valid work.

Tips & Tricks

Treat AI like a study partner, not an authority

Never copy-paste without checking

Evaluate every statistic, definition, and citation

Ask AI to provide multiple perspectives, then **verify**

Use your library for final confirmation

If AI gives different answers to the same question — research manually

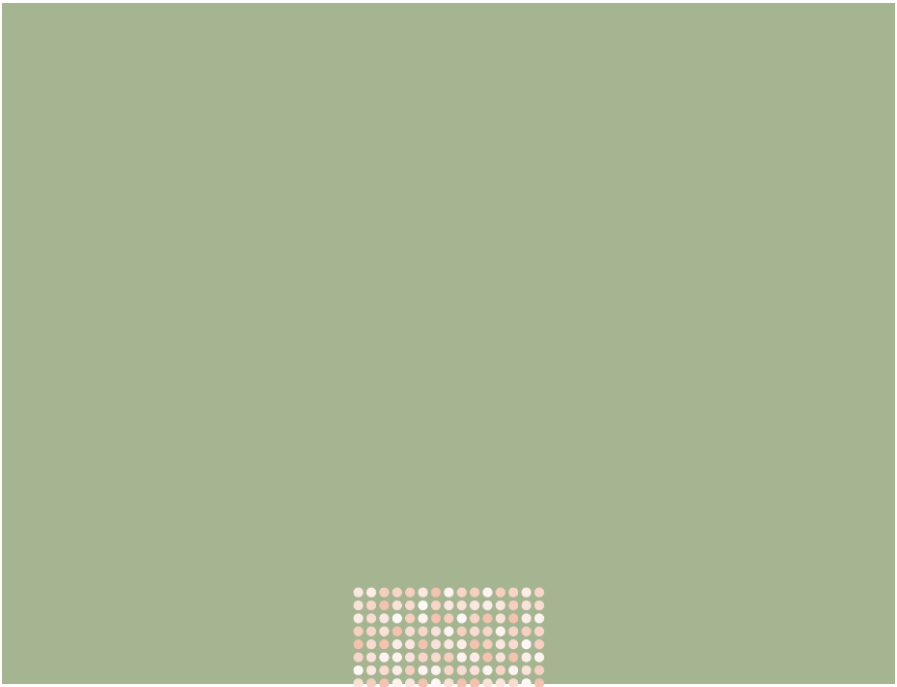
Always keep your **academic integrity policy** in mind

For more information:

Antwi, V. (2025). Evaluating AI-generated content: A practical guide for educators, librarians, and information professionals (a companion for students).

Evaluation checklist for AI output

Question	Yes/No
Does the information make logical sense?	☐
Can I verify the facts using reliable sources?	☐
Are the citations real and accurate?	☐
Is the information unbiased and culturally appropriate?	☐
Is the content up-to-date?	☐
Does it align with my understanding?	☐
Have I rewritten it in my own words and voice?	☐
Would I feel confident explaining this to my lecturer?	☐



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