Leveraging the Power of Generative AI for Assessment

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Session LO and Agenda

Define AI and related terminology.

Explore two different methods for writing AI prompts.

Identify different ethical issues related to using AI as a professional.

Generative AI

What is it?

Siri versus AI

What is hallucinating?

Writing AI Prompts

- Building questions from verbs, needs and program details.

- Brainstorming

Method One for Building AI Prompts

Verbs

Needs

Programs in General

Your Specific Program

7. Implement Improvements
Put action plans into practice; work to navigate politics and secure resources; identify barriers to overcome; build buy-in to the program review results; and implement strategies for continuous improvement.

1. Plan the Process
Map out steps for process, develop timeline, build buy-in with all stakeholders, and explicitly identify desired outcomes of the self-study

6. Prepare a Report
Explain the process, evidence gathering, rating process, and evaluations; summarize strengths and weaknesses; describe the action plan; and draft an executive summary

2. Assemble and Educate the Self-Assessment Team
Determine who should be on the team and how to educate the team about the self-study process

5. Develop an Action Plan
Identify discrepancies, corrective action, and recommended steps (e.g., identify strengths, weaknesses, recommendations, benchmarks for achievement, resources, timeframe, and responsible individuals)

3. Identify, Collect, and Organize Evidence
Define what constitutes evidence; then gather, collect, manage, and organize evidence

4. Conduct and Interpret Ratings Using Evaluative Evidence
Clarify team's rating criteria; employ a process for rating [small group, individual, staff]; negotiate rating differences; and manage group ratings

Figure 1. Steps of CAS Program Review Process

Example A for Writing AI Prompts:
Step 1 of CAS Self-Study Steps

Map out steps for process, develop timeline, build buy in with all stakeholders, and explicitly identify desired outcomes of the self-study.

Isolate specifics for the AI prompts:
- Map out steps for process
- Develop timeline
- Build buy in with all stakeholders
- Identify desired outcomes of the self-study.

All together

| Verbs | Needs | General | Specific |

- Map out steps for *program* self study process
- Map out steps for *your program* self study process
- Develop timeline
- Build buy-in with all stakeholders
- Identify desired outcomes of the self study

AI Demonstration

ChatGPT versus Gemini

Example B for Writing AI Prompts:
Step 3 of CAS Self-Study Steps

7. Implement Improvements
Put action plans into practice; work to navigate politics and secure resources; identify barriers to overcome; build buy-in to the program review results; and implement strategies for continuous improvement.

1. Plan the Process
Map out steps for process, develop timeline, build buy-in with all stakeholders, and explicitly identify desired outcomes of the self-study

6. Prepare a Report
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Small Group Activity

First in Pairs for ~5 min.

Then pairs will form groups of 4 and reflect on the discussion questions for ~8 min.

Then we will process in the larger group for ~5 min.

Brainstorming

Method Two for
Building AI Prompts

DSS Evidence

Pie chart with segments: Student Learning, Retention, Evaluation, Peak Engagement, Trends, Intervention Effectiveness, Other Outcomes
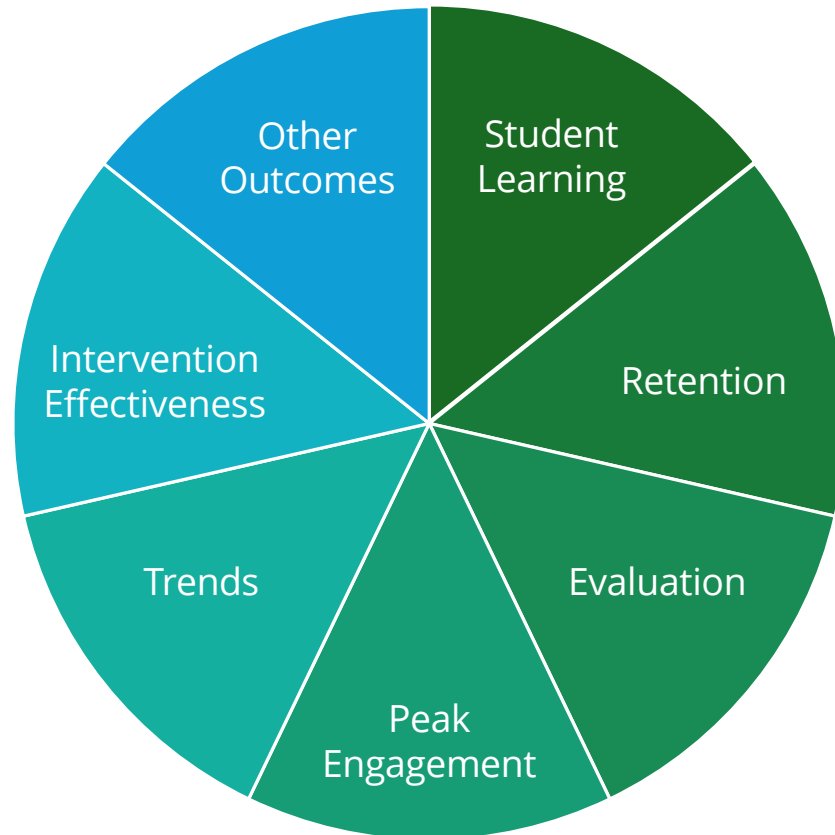
Per the Annual Report Template & CAS Standards

Brainstorming Activity

1. Individually, feed at least 4 brainstorming questions from the handout into your preferred AI generator. Skim through the results to get a sense of value and accuracy.

2. In a group of 3-4, discuss:

   a. How brainstorming was productive in comparison to focusing on verbs and needs?

   b. Was there any benefit of using both general and specific questions?

   c. What is your favorite generator and why?

Ethical Considerations

- Bias and discrimination
  - Skewed results
- Misinformation
  - Misuse and fake news
- Privacy and data security
  - Sensitive data isn't protected
- Copyright and intellectual property
  - Accountability
  - Plagiarism
  - Ownership

Did we scare you off yet?

- There are many appropriate ways and places to use AI

- AI Checklist (EVERY)
    - Evaluate
    - Verify
    - Edit
    - Revist
    - You

AI for Education

How to Use AI Responsibly EVERY Time

EVALUATE the initial output to see if it meets the intended purpose and your needs.

VERIFY facts, figures, quotes, and data using reliable sources to ensure there are no hallucinations or bias.

EDIT your prompt and ask follow up questions to have the AI improve its output.

REVISE the results to reflect your unique needs, style, and/or tone. AI output is a great starting point, but shouldn't be a final product.

YOU are responsible for everything you create with AI. Always be transparent about how you've used these tools.

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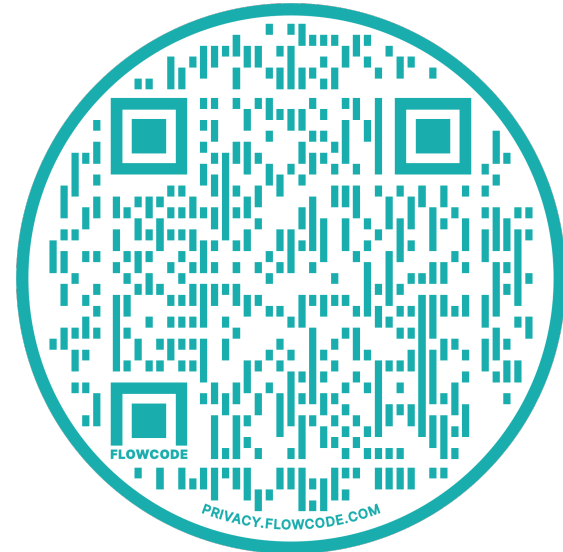# Walk Away Message
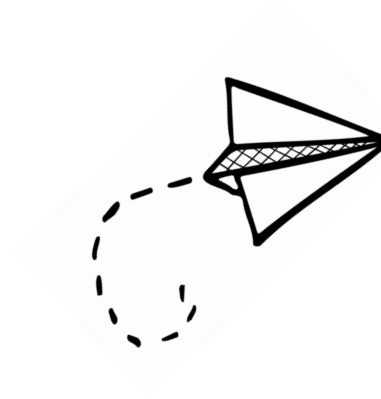
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Presentation Slides & Handouts