Grok Feedback - Critical Analysis of the Survey Questions

The survey you've shared is a solid starting point for gathering insights from adjunct faculty on AI integration. It's well-structured, with a clear introduction that frames the purpose and relevance, dividing into practitioner and instructor perspectives. This helps respondents contextualize their answers and ensures the data collected is actionable for curriculum development. The mix of multiple-choice and open-ended questions balances ease of response with depth, making it efficient (likely 5-10 minutes to complete) while allowing for qualitative insights.

However, there are areas for improvement in terms of comprehensiveness, clarity, bias reduction, and adaptability. Here's a breakdown by question, including strengths, weaknesses, and suggestions for better alternatives:

Part 1: The Practitioner's Perspective

1. **AI Toolset Inventory**
    - **Strengths**: Comprehensive categories with examples reduce ambiguity and make it easy to select. The "None" option is inclusive.
    - **Weaknesses**: It's a "select all that apply" without an "Other" field, which could miss emerging or niche tools (e.g., Grok, Perplexity, or custom enterprise AI). It assumes familiarity with the examples; beginners might not recognize them. No follow-up on frequency or proficiency level.
    - **Better Question Suggestion**: Add an "Other (please specify)" option with a text box. To gauge depth, follow up with: "For the tools you selected, rate your proficiency level on a scale of 1-5 (1 = Beginner, 5 = Expert)." This adds quantitative data without overcomplicating.
2. **Application in Industry**
    - **Strengths**: Open-ended, encourages specific examples, which can reveal real-world impacts and inspire curriculum ideas.
    - **Weaknesses**: It focuses only on positive impacts ("significantly impacted your efficiency or decision-making"), potentially overlooking challenges like errors, biases, or ethical issues. No prompt for non-users.
    - **Better Question Suggestion**: Broaden to: "Describe a specific task or workflow in your professional role where AI has impacted your work—positively (e.g., improved efficiency) or negatively (e.g., introduced biases or errors). If you don't use AI, what opportunities or concerns do you see in your field?" This captures a fuller picture and includes non-users.

Part 2: The Instructor's Perspective

3. **Current Classroom Integration**
    - **Strengths**: Uses a clear progression of integration levels (from none to integrated), which acts as a maturity scale. Easy to analyze.
    - **Weaknesses**: Options are mutually exclusive, but instructors might use multiple approaches (e.g., policy + demonstrative). No space for elaboration.
    - **Better Question Suggestion**: Make it "Select all that apply" and add: "Please provide a brief example for any selected options." This allows for nuance and richer data.
4. **Discipline-Specific Aspirations**
    - **Strengths**: Forward-thinking and tailored to disciplines, aligning with program goals.
    - **Weaknesses**: Fully open-ended, which might lead to vague responses if respondents are unsure. No guidance on what "better prepare students" means (e.g., skills, tools, ethics).
    - **Better Question Suggestion**: Add prompts: "In your discipline (e.g., Finance, Marketing, Leadership), how could AI be used to enhance student preparation for the job market? Consider areas like skill-building exercises, real-world simulations, or ethical discussions. Provide 1-2 specific ideas."
5. **Barriers & Needs**
    - **Strengths**: Identifies actionable pain points with practical options.

- **Weaknesses**: Appears incomplete in your query (cuts off at "Time constraints..."), but assuming it's multiple-choice, it might not cover all barriers (e.g., student digital divide, lack of institutional support, or fear of job displacement). No "Other" option.
- **Better Question Suggestion**: Add "Other (please specify)" and make it rankable: "Rank the following barriers preventing you from integrating AI more (1 = most significant): [list options, plus 'Lack of institutional guidelines,' 'Concerns about AI accuracy/bias,' etc.]." Follow with: "What specific support would help overcome these (e.g., workshops, tool access, sample assignments)?"

Overall Survey Critique:

- **Pros**: Focused, relevant, and professional. It avoids overwhelming respondents and ties directly to your goals of AI integration.
- **Cons**: Lacks demographics (e.g., years of teaching experience, AI familiarity level) to segment responses. No questions on ethical considerations or future trends, which are crucial for AI in education. Potential response bias toward positive views; balance with neutrals. The survey assumes all respondents are practitioners, which might not hold for all adjuncts.
- **Additional Suggestions**:
  - Add an opening demographic section: "How would you rate your overall experience with AI? (Beginner: Just starting; Intermediate: Use occasionally; Advanced: Use daily in complex ways)."
  - Include a closing question: "Any additional thoughts on AI in our program?"
  - Consider branching logic (if using a tool like Google Forms or SurveyMonkey): E.g., if "None" in Q1, skip to barriers.
  - Test for length and clarity with a pilot group.

Need for Differentiated Questionnaires (Beginners vs. Experienced Users)

Yes, there's a strong case for separate or adaptive questionnaires based on AI experience levels. A one-size-fits-all approach risks alienating beginners (who might feel overwhelmed by technical terms) or frustrating experienced users (who want deeper dives). For instance:

- **Beginners (Just Getting Started)**: Focus on basics like awareness, interest, and low-barrier entry points. This builds buy-in without assuming knowledge. A simple version could be 5-7 questions, emphasizing education and support needs.
- **Experienced Users**: Dive into advanced applications, challenges, and innovations. This captures nuanced insights for curriculum enhancement.

Thoughts on Implementation:

- Use branching in a single survey: Start with a self-assessment question on AI experience, then route to tailored sections.
- Benefits: Increases response rates (shorter for beginners), yields more relevant data, and supports phased AI integration (e.g., training for newbies, advanced workshops for pros).
- Drawbacks: Slightly more complex to design/administer, but tools like Qualtrics make it easy.
- Overall, this differentiation aligns with adult learning principles—meet people where they are. In an educational context, it models personalized learning, which is ironic and fitting for an AI-themed survey.

General Thoughts

This survey is a great initiative for bridging the gap between industry AI use and academia. It positions the program as forward-thinking, which could attract faculty and students. However, AI integration in education is evolving rapidly (e.g., with tools like Grok or ethical frameworks from organizations like UNESCO), so consider making the survey iterative—re-run it annually and incorporate feedback loops.
Potential expansions: Include student perspectives in a parallel survey for triangulation. Think about outcomes: How will data inform actions (e.g., AI ethics modules, tool subsidies)? As an Enterprise Architect, frame this as part of a broader AI strategy, including tech infrastructure (e.g., secure AI platforms) and change management.

Repeatable Prompt for Future Improvements

Here's a structured, repeatable prompt you can copy-paste into future AI conversations (e.g., with me or another model) to refine this survey or similar efforts. It's designed to be modular—add specifics as needed.

As an Enterprise Architect collaborating with a school Director to integrate AI into educational programs, curricula, and instructor materials, please help refine the following survey on [topic, e.g., "AI in Professional Practice & The Classroom"].

Current Survey Content:
[Paste the full survey text here, including introduction and questions.]

Tasks:
1. Critically analyze the survey structure, questions, and flow. Highlight strengths, weaknesses, ambiguities, biases, or gaps.
2. Suggest improved or alternative questions, including wording, format (e.g., multiple-choice, open-ended, scales), and any new sections (e.g., demographics, ethics).
3. Evaluate if differentiated versions are needed (e.g., for AI beginners vs. experienced users) and propose how to implement (e.g., branching logic).
4. Share overall thoughts on alignment with goals like AI integration, respondent engagement, and actionability.
5. Generate an updated version of the full survey incorporating your suggestions.
6. Provide a revised repeatable prompt for further iterations, if needed.

Additional Context/Changes: [Add any new details, e.g., "Focus on ethical AI aspects" or "Make it shorter for higher response rates."]

Updated Full Survey: AI in Professional Practice & The Classroom

This version incorporates my suggested improvements: added "Other" options, proficiency ratings, balanced positive/negative impacts, "select all that apply" where appropriate, ranking for barriers, a demographic opener for segmentation, ethical considerations, and a closing question. I've also included branching logic suggestions (e.g., for non-users or experience levels) that can be implemented in survey tools like Google Forms. The structure remains similar for familiarity but is more comprehensive and nuanced.

Introduction

As we continue to align the Graduate Business & Leadership program with the rapid evolution of industry standards, we are exploring the role of Artificial Intelligence in our curriculum. As active practitioners, your insights into how AI is reshaping your specific fields are invaluable. This survey aims to understand your current professional use of AI and how we can support you in bringing those insights into the classroom. Estimated time: 5-10 minutes. Your responses will help shape training, resources, and policies.

Demographic Opener (for Segmentation)

0. How would you rate your overall experience with AI?

- Beginner: Just starting out or minimal exposure.
- Intermediate: Use occasionally for basic tasks.
- Advanced: Use daily or for complex applications.
  (Branching: Based on this, route to tailored sections—e.g., beginners skip advanced questions or get simplified versions.)

Part 1: The Practitioner's Perspective (Professional Use)

1. AI Toolset Inventory
   Which AI tools are you currently utilizing in your non-academic professional role? (Select all that apply)
   - Generative Text: (e.g., ChatGPT, Claude, Gemini, Jasper)
   - Data Analysis & Research: (e.g., Julius AI, Tableau AI, Microsoft Copilot for Excel)
   - Visual & Media: (e.g., Midjourney, DALL-E, Canva Magic Studio)
   - Industry-Specific: (e.g., Harvey for Law, Salesforce Einstein for CRM, GitHub Copilot for coding)
   - Other (please specify): [Text box]
   - None: I do not currently use AI tools in my professional work.
     (Follow-up if any selected): For the tools you selected, rate your proficiency level on a scale of 1-5 (1 = Beginner, 5 = Expert). [Dropdown or slider per category]
     (Branching: If "None," skip to Question 2 alternative for non-users.)
2. Application in Industry
   Describe a specific task or workflow in your professional role where AI has impacted your work—positively (e.g., improved efficiency in analyzing consumer sentiment from large datasets) or negatively (e.g., introduced biases in decision-making or required extra verification time). If you don't use AI, what opportunities or concerns do you see in your field? [Open text box]

Part 2: The Instructor's Perspective (Classroom Application)

3. Current Classroom Integration

How are you currently incorporating AI into the courses you teach for us? (Select all that apply)

- Policy Only: I have updated my syllabus regarding AI ethics/usage.
- Permissive: I allow students to use AI for brainstorming or editing.
- Integrated: I have designed specific assignments that require the use of AI tools.
- Demonstrative: I use AI live in class to demonstrate concepts.
- Other (please specify): [Text box]
- None: I am not currently incorporating AI.
  (Follow-up if any selected): Please provide a brief example for any selected options. [Open text box]

4. Discipline-Specific Aspirations
   In your specific discipline (e.g., Finance, Marketing, Leadership), how could AI be used to enhance student preparation for the job market? Consider areas like skill-building exercises, real-world simulations, ethical discussions, or tool proficiency. Provide 1-2 specific ideas. [Open text box]
5. Barriers & Needs
   Rank the following barriers preventing you from integrating AI more into your class (1 = most significant, up to the number of options):
   - Lack of access to paid tools for students.

- Uncertainty about academic integrity policies.
- Need for training/examples of AI assignments.
- Time constraints in curriculum redesign.
- Concerns about AI accuracy, biases, or ethical issues.
- Lack of institutional support or guidelines.
- Student access issues (e.g., digital divide).
- Other (please specify and rank): [Text box]
  (Follow-up): What specific support would help overcome these (e.g., workshops, tool subsidies, sample assignments, ethical guidelines)? [Open text box]

Additional Section: Ethical and Future Considerations

6. Ethical Insights

What ethical considerations (e.g., bias, privacy, job displacement) do you think should be emphasized when teaching AI in your discipline? [Open text box]

Closing

7. Any additional thoughts on AI integration in our program, including trends you foresee or resources you'd recommend? [Open text box]

Thank you for your input! We'll share aggregated insights and next steps soon.

Sample Beginner-Focused Questionnaire

This simplified version is for those self-identifying as "Beginner" in the demographic opener. It focuses on awareness, interest, and basic support needs to avoid overwhelm, with fewer questions and more guidance. Aim for 3-5 minutes completion time.

Introduction (Tailored)

Welcome! Since you're just getting started with AI, this short survey focuses on your initial thoughts and what support you need to explore AI in your professional role and teaching. Your input will help us provide beginner-friendly resources.

1. AI Awareness
   Which of these AI tools have you heard of or tried briefly? (Select all that apply)
   - Generative Text like ChatGPT (for writing or ideas).
   - Data Tools like Microsoft Copilot (for analyzing spreadsheets).
   - Image Tools like DALL-E (for creating visuals).
   - None yet, but I'm interested.
   - Other (please specify): [Text box]
2. Potential Professional Use
   In your job, what simple task do you think AI could help with (e.g., summarizing emails or generating ideas)? If unsure, what questions do you have about starting? [Open text box]
3. Classroom Interest
   Would you like to start incorporating AI in your teaching?
   - Yes, for basics like student brainstorming.
   - Maybe, but I need guidance on ethics and policies.

    - No, not yet—due to [brief reason].
4. Support Needs
   What would help you get started with AI? (Select top 3)
    - Free introductory workshops or tutorials.
    - Access to basic free tools.
    - Examples of simple AI assignments.
    - Clear school policies on AI use.
    - Time to experiment.
    - Other: [Text box]
5. Any quick thoughts or concerns about AI in education? [Open text box]
   Thank you! Look out for beginner resources based on this feedback.

Sample Experienced-User Questionnaire

This version is for "Advanced" respondents, diving deeper into innovations, challenges, and leadership opportunities. It builds on the full survey but adds advanced prompts for richer insights. Aim for 7-10 minutes.

Introduction (Tailored)

As an experienced AI user, your expertise is key to advancing our program. This survey explores advanced applications and how we can leverage your insights for curriculum innovation.

1. Advanced AI Toolset
   Which AI tools do you use professionally, and how frequently? (Select all that apply, then rate frequency: Daily/Weekly/Occasionally)
    - Generative Text (e.g., ChatGPT, with custom prompts).
    - Data Analysis (e.g., advanced ML in Tableau).
    - Visual & Media (e.g., custom models in Midjourney).
    - Industry-Specific (e.g., GitHub Copilot for code review).
    - Other advanced or custom tools (please specify): [Text box]
2. Impactful Applications
   Describe a complex workflow where AI has transformed your professional efficiency or decision-making—include any challenges overcome (e.g., handling biases in AI-driven analytics). [Open text box]
3. Innovative Classroom Integration
   How do you integrate AI in teaching? (Select all that apply, with examples)
    - Advanced assignments (e.g., students building AI models).
    - Live demos of real-time AI (e.g., predictive analytics).
    - Ethical case studies using AI outputs.
    - Other innovations: [Text box]
4. Future-Proofing Students
   In your discipline, what advanced AI skills (e.g., prompt engineering, bias auditing) should students master for the job market? Provide 2-3 specific recommendations. [Open text box]
5. Overcoming Barriers
   Rank advanced barriers (1 = most significant):

- Scaling AI for large classes.
- Keeping up with rapid AI updates.
- Integrating with existing tech infrastructure.
- Addressing advanced ethical dilemmas.
- Other: [Text box]

  (Follow-up): What resources (e.g., peer networks, advanced training) would help?

6. Leadership Opportunities

   Would you be interested in leading AI workshops or contributing to curriculum design? If yes, what topics? [Open text box]
7. Trends and Recommendations

   What emerging AI trends (e.g., multimodal AI) should we prioritize, and any tools/resources to recommend? [Open text box]

   Thank you for sharing your expertise! We'll connect on potential collaboration opportunities.