UNIVERSITY OF TORONTO MISSISSAUGA

ROBERT GILLESPIE ACADEMIC SKILLS CENTRE

Generative AI Lunch & Learn Series

Session 6 – NotebookLM

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Focus for today

- Introduction to NotebookLM
- Features
- Hands-on
- A framework for integration
- Frontiers of AI
- Takeaways
- Q & A

GenAI LLMs

NotebookLM by Google

- Experimental AI-powered notebook by Google for research and notetaking.
- Trains on user-uploaded documents to become an "expert" on specific content.
- Provides focused, source-grounded responses unlike other genAI tools.
- Supports up to 50 source documents per notebook (Google Docs, Google Slides, PDFs, text, URLs, YouTube transcriptions).
- Requires a Google account, allowing up to 100 notebooks per account.
- Enhances notetaking by summarizing, synthesizing, and creating study guides

Features

- Generate comprehensive summaries of uploaded content
- Allows for analysis across multiple documents highlighting connections and contradictions
- Creates FAQs
- Creates Study guides
- Creates Briefing docs
- Creates Mind maps
- Creates a timeline of events
- Audio overview

Demo – Part 1

Activity #1

- Login to NotebookLM
- Upload one or more documents of your choice
- First, experiment with the textual prompts
- Next, try out the text-based features (FAQ, Study Guide)

Let's discuss

- What are your impressions?
- How do you envision using this in your own work?
- What are you still curious about?

Demo – Part 2

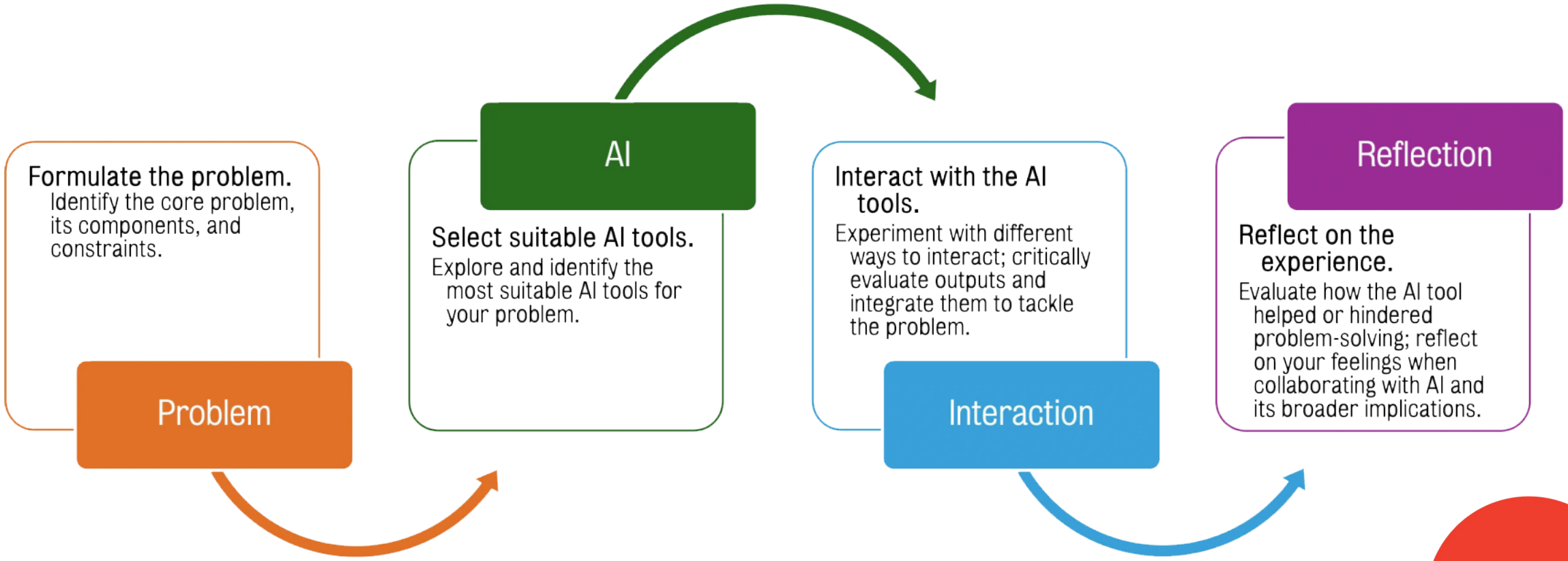
Activity #2

- Experiment with the audio overview feature
- Experiment with the mind map feature
- Experiment with NotebookLM and another AI tool of choice

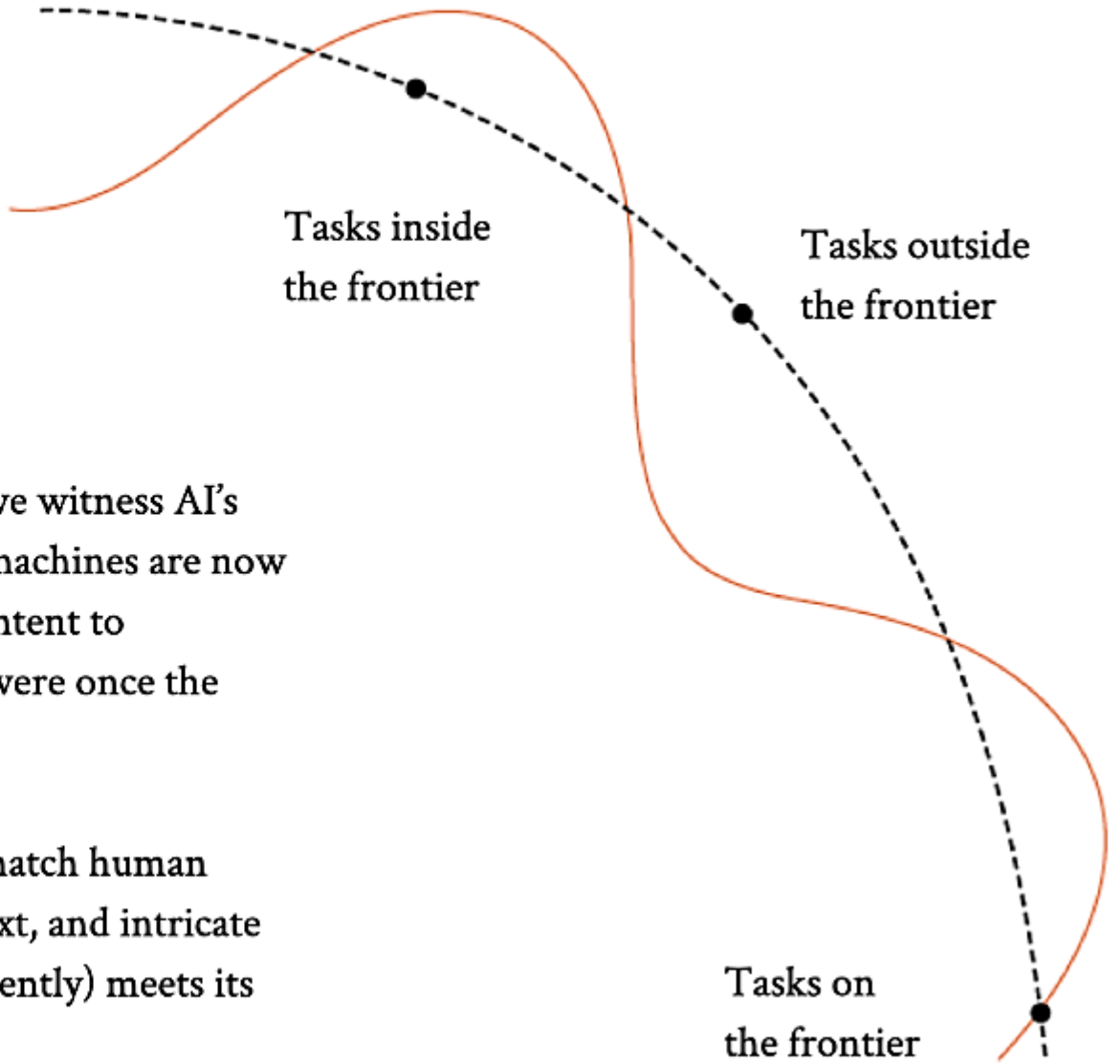
Let's discuss

- What are your new impressions?
- How do you envision this changing your work?
- What are you still curious about?

Let’s talk integration



THE JAGGED FRONTIER



The jagged frontier works as follows: on one end of the spectrum, we witness AI's remarkable prowess — tasks that once seemed insurmountable for machines are now executed with precision and efficiency (from generating creative content to predicting complex patterns), with AI showcasing capabilities that were once the exclusive domain of human cognition.

Yet, on the flip side, there are tasks where AI falters, struggling to match human intuition and adaptability. These are areas marked by nuance, context, and intricate decision-making — realms where the binary logic of machines (currently) meets its match.

Takeaways

- Consider AI tools as part of a larger ecosystem rather than a singular tool
- As tools keep changing, deeply consider your core objectives for teaching, learning, and work
- Try to maintain an iterative approach to integration – no more “set and forget”
- All our frontiers are different

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Q & A

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