EDUCATION 770: Curated Lesson

Project Metadata Document

The project metadata document helps us to understand your thinking in creating the project, as well as encouraging you to reflect upon why you made certain design decisions. It does not need to be any longer than a page and certainly less than two pages. Submit the document to the Curated Lesson assignment dropbox.

(Your) Name:	Habib Ghaffari Hadigheh
Link to lesson:	
Topic:	Generative AI for Researcher Process
Learning goal:	The course aims to familiarize students with ML-based research tools for the research process.
Selection process:	- ***what did you feel was important to include in the lesson?*** *There are three main topics that are important in this lesson: search tools for academic resources, literature review tools, and a summary generator for academic resources.* - ***Why did you leave certain things out?*** *The lesson will not cover academic writing tools like Chat-GPT that students may already be using.* - ***What influenced your choices?*** *In the 21st century, with the increasing speed of human knowledge growth, it has become necessary for academics to keep up with this pace. Research tools based on Machine Learning (ML) are among the tools that can help scholars stay updated and generate scientific materials faster. However, it is important for them to use these tools responsibly. That is why I have designed this lesson.*
Sequencing strategy:	Here is the Sequencing strategy: - The research process for a graduate student begins with learning how to search for academic papers using ML-based search tools with a few keywords. - Next, the students will work on the Literature Review, where they will require tools to delve deep into the topic and discover its history. They will learn about ML-based tools they can use to do this. - In the third step, the student will need to use some ML-based tools to read academic resources faster and generate text summarizations to keep them as part of their notes. By covering these topics, students will learn how to start their research and use these tools to make the research process easier and faster.

Self-reflection:	During my early years as a Ph.D. researcher, I faced difficulty in locating research papers and reading through a huge amount of materials while juggling other responsibilities like teaching assistantship, lecturing, and research projects. This challenge has motivated me to design this lesson. I strongly believe that by using these tools responsibly, students can become better researchers without compromising their other duties, and remain motivated till the end of their academic journey.