

# Pre-Conference Hands-On Workshop

2 PM – 5 PM on Tuesday, March 31, 2026

## AI IN THE TEXTILE AND FASHION INDUSTRIES CONFERENCE

Hosted by [FTBEC \(Fashion and Textile Business Excellence Cooperative\)](#)

Venue: **Convocation Center (Room #2225), Wilson College of Textiles, North Carolina State University**

### Workshop Summary

- The basics of generative AI - what it is, ethical and logistical considerations around deciding whether to use it, and relevant publisher and campus policies regulating its use.
- AI-powered literature review and productivity tools that enable you to discover and synthesize information.
- How to use AI tools in basic data applications, including choosing the right platform, cleaning data, writing prompts, & coding.

#### Presented By:



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### Workshop Takeaways

- This will be a hands-on session geared towards beginners & those curious about AI-assisted research!
- Attendees will learn how to use AI to enhance the literature review process, information synthesis, data cleaning & coding, and general productivity.

#### Scan the QR code to register for the Pre-Conference Workshop

- \$50 for workshop registration
- Limited to 50 participants
- First come, first served

**Early registration is encouraged, as workshop spots are limited!**

**Please bring a fully charged laptop for the hands-on activities.**

**For more information, please contact Dr. B. Ellie Jin ([bejin@ncsu.edu](mailto:bejin@ncsu.edu)), Founding Director, [FTBEC \(Fashion and Textile Business Excellence Cooperative\)](#)**



### Workshop Agenda

#### Setting the Stage

Define AI and identify the differences between LLMs, GenAI, and related technologies. Consider the publisher policies, institutional policies, standards for collegial use, relevant legal considerations and status, and the ethics of when to apply AI into your work.

#### Literature Review

An introduction to the strengths and weaknesses of available AI tools:

- Use LLMs to assist with keyword generation and brainstorming
- Apply Keenious to identify relevant articles
- Employ Elicit and SciSpace to support article discovery and synthesis
- Utilize Research Rabbit for citation mapping

**A live demo and hands-on practice on crafting effective AI prompts for literature review**

#### Information Synthesis and Notetaking

An overview of using NotebookLM to support research through information synthesis.

**Live demo on NotebookLM workflow, including research resource inputs, prompt guidance, and generate timeline and briefing outputs.**

#### Data Preparation, Analysis, & Visualization

Identify the strengths and weaknesses of available tools

- Choosing the right tools for coding versus non-coding solutions, project goals, subscription tiers, data security considerations, and accuracy.
- An overview of all-purpose Chatbots like ChatGPT, Gemini, and Claude and specialized Chatbots like RShiny Assistant and Julius.
- Utilizing in-line coding assistants, including GitHub Copilot, Gemini, Colab, and Positron (R Integrated Development Environment)
- Introduce context-aware coding Integrated Development Environment assistants such as Cursor, JetBrains, and Positron and AI models such as Gemini, ChatGPT, and Claude

**Live demo and hands-on practice on applying AI for data preparation, analysis, and visualization**

- Use a Chatbot to acquire clean data by engineering and running the pre-developed prompts locally.
- Select in-line tools to complete and add codes based on contexts (reads variables and other workplace codes and files)