**Recommendation System using AI/HCI**

Alan L. Dennis

University of the Cumberlands

**Recommendation System using AI/HCI**

Recommendation systems are a popular example of using machine learning - a subfield of artificial intelligence (AI) - to have an impact on users’ lives.

# General Instructions

After reviewing the lecture, use this document to create a recommendation system using AI techniques. Your source code should be stored or exported to a GitHub repository and your instructor should have access to that repository (and knows its name). Additionally, submit your source code in an archive file (ZIP) when you submit the report. Document the process of creating the bot in a report. The report should be 5-7 pages of content and should include a title and references page using APA format. Document any challenges you encountered and mitigation strategies you utilized. Ensure you define recommendation systems and include information about their theoretical foundations, along with their practical applications.

Your recommendation system can be based on an existing example project. Ensure that you credit the system you used as the foundation for your updated system. Make sure you make changes to the system, showing an understanding of how the system works and how it can be extended. Your system can be accessed using a Graphic User Interface (GUI), text prompt, chatbot, or conversational/intelligent agent.

When you submit your Word document, ensure you include a ZIP file containing the source code, along with the URL of your GitHub repository. Your document should be five to seven pages and in APA format (not counting title and reference pages). The report should describe your experience, including the selection of an existing sample and what modifications you made, along with what you learned.

# Conclusion

This document outlines the steps necessary to create and submit a project report and source code for a recommendation system that includes a user interface. The report should include a definition of a recommendation system along with a discussion of the steps to install and extend an existing example.