

SWE3053: Human Computer Interaction
Semester 1, 2022

Assignment #8: Brewing Research Topic

Monday 9 May 2022 23:59 pm

[22% of Assignment Total Score]

Objective: In this assignment, you will come up with a research idea in Human Computer Interaction, and then narrow it down into a specific research question with testable hypothesis.

1. Pick an area in HCI that you are interested. Briefly describe the area you picked.
2. Based on the area you pick, formalize a specific research question in Human Computer Interaction.
3. Further narrow down your research hypothesis, and try to narrow it down to some independent variable(s).
4. Specify your research question into a testable hypothesis, with measurable dependent variable(s).
5. Design your experiment based on within or between subject design.
6. Try to perform an initial literature search on academic database such as PyscInfo and ScienceDirect.
7. Based on your literature search, is your research question being explored previously by other scientists?

Your submitted answer must address all of the above 7 issues.