

## EAS 508 (Section 002): Homework 4

**Due November 29, 2021 by 11:59 PM**

**Notes:** The homework should be submitted via UBLearn. 25% of the grade will be removed for each day late (that includes 12:00 AM November 30, so make sure that you give sufficient time to submit).

### Questions:

Explainable AI is one of the leading areas of current data science research. Explainable AI (XAI) refers to artificial intelligence and machine learning techniques that can provide human-understandable justification for their output behavior. Survey the paper on "Human-centered Explainable AI: Towards a Reflective Sociotechnical Approach." This paper is authored by Upol Ehsan and Mark O. Riedl of the Georgia Institute of Technology. (Use this link to download the paper: [LINK](#))

1. Write a summary of this paper. Answer the following questions in your summary. (Word Limit: 300-400 words)
  - Why is merely opening the black box not enough for XAI? Why do the authors advocate for a sociotechnical approach?
  - How does this sociotechnical approach potentially help us critically reflect on implicit or unconscious values embedded in computing practices?
  - What do you think are the follow-up questions to pursue?