

Discussion Day #1: Real World Applications

CSCI 374 Fall 2022

October 10, 2022

Discussion Prompts

1. Objective Round

- What happened in each article (article order: Translation, Art, Healthcare, Fusion power)
 - What tasks are solved by machine learning?
 - What kinds of experience do they learn from?

2. Reflective Round

- What was your gut reaction to the four articles?
- What were you feeling as you read them?
 - a. Hope, fear, happiness, sadness, etc.?
- What connections can you make to other applications of learning and technology?

3. Interpretive Round

- What potential benefits does machine learning offer?
- What are some potential challenges to using machine learning?

4. Decisional Round

- Should machine learning be used in each of these applications?
- In general, what kinds of applications should machine learning be used for? Should not be used for?
- How should the benefits of machine learning be applied to society (e.g., who gets credit, how can machine learning be fairly used by all)?

Discussion Process

For the Objective and Reflective rounds, we will use an **orbit discussion**

- Each person takes turns saying one idea at a time
- Go around in a circle so everyone talks before anyone repeats
- Go as many rounds as needed so all ideas are shared

For the Interpretive and Decisional rounds, we will use a **talking tokens discussion**

- Everyone has two tokens, speaking up uses one token
- Can go in any order, but should speak exactly twice