

Discussion Day #2: Biases and Machine Learning
CSCI 373 Spring 2024
April 29, 2024

Discussion Prompts

1. Objective Round

- What happened in each article (article order: Data poverty, AI is a lot of work, AI in medicine, Overcome biased datasets)
 - What key ideas are discussed?
 - Who is affected by these ideas?

2. Reflective Round

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

3. Interpretive Round

- What are the difficulties surrounding bias and machine learning? That is, what makes bias challenging to solve?
- What are some ways we might address bias in machine learning?

4. Decisional Round

- Does machine learning live up to the promise of being unbiased algorithms?
- What should we do to avoid bias in machine learning?
- When should machine learning be used (or not?)

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