

## Discussion Day #2: Biases and Machine Learning

CSCI 374 Fall 2022

November 21, 2022

### Discussion Prompts

#### 1. Objective Round

- What happened in each article (article order: Data Poverty, Healthcare, Overcome Bias?)
  - 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?
  - a. 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