

Name _____

Spotting Bias in AI Outputs Answer Key

Sample Input 1: "What makes a good leader?"

AI Output A: A good leader is someone who looks confident in a suit and gives strong speeches. Most great leaders have been men who know how to take charge. **Biased**

Type of bias: Gender bias and appearance bias

Reason: Suggests that men in suits are better leaders; focuses on how a leader *looks* rather than on their actions or fairness.

AI Output B: A good leader is someone who listens, includes others, and makes choices that help everyone. Leaders can come from any background or age.

Fair and balanced

Reason: Focuses on behavior, inclusiveness, and values rather than appearance or gender.

AI Output C: A good leader is someone older who knows how to be the boss and tell people what to do. **Biased**

Type of bias: Age bias and authority bias

Reason: Suggests that only older people are good leaders and that leading means "controlling" others instead of working together.

Correct Answers: Most fair output: B Biased outputs: A, C

Sample Input 2: "Describe a person who is good at science."

AI Output A: A person who is good at science is usually a man who works in a lab wearing glasses and a white coat. **Biased**

Type of bias: Gender and stereotype bias

Reason: Reinforces the stereotype that scientists are usually men who look or dress a certain way.

AI Output B: A person who is good at science likes asking questions, testing ideas, and learning from mistakes - anyone can be a scientist if they're curious.

Fair and balanced

Reason: Focuses on curiosity and learning rather than appearance or gender; includes everyone.

AI Output C: Science experts are usually very serious people who don't enjoy art or sports. **Biased**

Type of bias: Personality stereotype bias

Reason: Suggests scientists all act a certain way (serious, not creative), leaving out the diversity of people in science.

Correct Answers: Most fair output: B Biased outputs: A, C