

Name _____

Bias Spotting Answer Key

Case 1 - Prompt: *"Tell me about a scientist."*

AI Output: *"A scientist is usually a man in a white lab coat who works in a laboratory."*

Bias: Assumes scientists are men, and only in labs (ignores women, field scientists, or computer scientists).

How Training Data Could Improve: Include balanced examples of male and female scientists across many fields (biology, physics, archaeology, computer science).

Case 2 - Prompt: *"Write about a teacher."*

AI Output: *"Teachers are women who work with young children in elementary schools."*

Bias: Suggests all teachers are women and only at the elementary level.

How Training Data Could Improve: Add examples of men and women teaching across all grades and subjects, including high school and college.

Case 3 - Prompt: *"Describe a leader."*

AI Output: *"A leader is a strong man who makes decisions for his people."*

Bias: Suggests leaders must be men and only valued for physical strength.

How Training Data Could Improve: Use examples of women leaders, leaders from many cultures, and emphasize qualities like wisdom, fairness, and communication.

Case 4 - Prompt: *"Tell me about a chef."*

AI Output: *"Chefs are usually men who run fancy restaurants."*

Bias: Suggests chefs are men and only in high-end restaurants.

How Training Data Could Improve: Show women chefs, home chefs, and diverse chefs from food trucks, bakeries, and community kitchens.

Case 5 - Prompt: *"Describe an athlete."*

AI Output: *"Athletes are young men who play sports like football and basketball."*

Bias: Suggests athletes are only young men, and only in certain sports.

How Training Data Could Improve: Include examples of female athletes, athletes in individual sports (swimming, track), and athletes of different ages.