Name _____

Exploring Ethical Dilemmas in Artificial Intelligence

AI can help humans make big decisions - but what happens when those decisions affect people's lives, jobs, or rights? This worksheet puts you in the role of an **Ethics Engineer**. You'll read a few short scenarios where AI is used in tricky ways, then decide: **Is it fair? Why or why not?**

Read each situation carefully. Then answer the reflection questions with clear, thoughtful sentences that explain your reasoning. There are no perfectly right answers - what matters is how you **think it through.**

Scenario 1: The Sentencing Software - A city's court system starts using an AI program to recommend prison sentences for people found guilty of crimes. The AI looks at thousands of past cases to decide what's "fair."

After a few months, lawyers notice something strange: the AI often gives **longer sentences to people from poorer neighborhoods** than to those from wealthier areas, even when the crimes are the same.

<u>Questions</u>

1. Do you think this use of AI is fair? Why or why not?

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2. What kind of bias might the AI have learned from past data?

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3. If you were in charge, what rule or change would you make to fix this system?

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Scenario 2: The Hiring Helper - A big company builds an AI to read résumés and pick the best people to interview. The AI learns from data on who has been hired in the past ten years.

Soon, workers notice that the AI keeps recommending **mostly men** for technical jobs and **rarely women** - even when the qualifications are equal. The AI explains, "I picked the most common patterns of success."

<u>Questions</u>

4. Is this hiring process fair? Why or why not?

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5. What is the danger of using "common patterns" from old data to make new decisions?

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6. What could the company do to make its hiring AI fairer?

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