

# Assignment 1

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## I. *What does AI ethics mean to you?*

To be ethical involves adhering to a set of moral principles that guide one's actions toward what is considered "good" or "right." This means that the actions taken should not cause harm or discrimination to others, regardless of their race, gender, religion, or social status. This can apply to AI as well since with the growth of technology and the rising prevalence of AI in everyday life it has become essential to ensure its responsible use and impact.

## II.

### 1. *How did you feel after watching the video?*

Watching the video, I felt disheartened to learn that improperly coded AI can lead to harmful outcomes. For instance, inaccuracies in facial recognition software used in crime fighting can mistakenly identify innocent people, posing a risk to them, while potentially allowing the actual perpetrators to escape.

### 2. *List three things that you learned from the video.*

I learned about the WMD, widespread mysterious algorithms that are being used in making important decisions like employment, insurance, loans, etc., which is heartless since human judgment is being replaced by an emotionless automated approach.

Moreover, I discovered that algorithmic bias could spread rapidly worldwide as various companies might adopt the same generic software to reduce expenses, thereby amplifying biases on a global scale.

The main thing I realized was that every coder needs to learn more about ethics and how to implement them into the technology developed by them. Developers must ensure that their creations are not only efficient but also equitable and respectful of diverse user groups.

## III.

### 1. *Online link to information about your example.*

<https://www.unh.edu/undergrad-research/blog/2023/09/should-judges-use-artificial-intelligence-inform-sentencing-decisions#:~:text=Judges%20use%20this%20information%20to,to%20a%20longer%20prison%20term.>

### 2. *Summarize the example you have chosen.*

The video and additional research reveal that judges are increasingly employing AI for sentencing and recidivism prediction. The system inputs details of the defendant's case to estimate their potential for redemption, aiding judges in determining the duration of their sentence. However, there are significant risks involved, such as the potential for software flaws or inadequate training data leading to harsh sentences for reformable individuals or lesser ones for the unredeemable. This raises critical questions: "Despite AI's statistical accuracy, can it truly comprehend human emotions or the possibility of a criminal's redemption? There's also the concern about AI's ability to adapt to the complexities and nuances of human behavior, which are often critical in legal judgments."

3. Why did you pick this example?

I chose this example because it was intriguing and presented new knowledge to me about the intersection of technology and law. This example serves as a critical exploration of how emerging technologies need to carefully consider various factors in the development of emerging technologies. As the video explains, who codes, how we code, and why we code are some of the key aspects that significantly influence these advancements.

4. Describe one way that you could fix this issue.

One way to address an issue of potential bias and inaccuracies in AI used for judicial sentencing and recidivism prediction is to incorporate extensive and varied training datasets, along with comprehensive and meticulous testing of the code before it is deployed. Furthermore, we could implement an auditing system that would regularly review and analyze the AI's decisions, comparing them against a wide range of diverse, real-world outcomes. By doing so, it can identify and correct any biases or errors in the algorithm, ensuring that the AI's predictions are as fair and accurate as possible. [1] However, in my opinion, human involvement remains essential in such scenarios because AI cannot reciprocate emotions. In short, while AI can aid in simplifying decision-making processes, we should never fully depend on it to the extent of replacing a Human.

#### IV.

1. What are two different ethical ways that you could use generative AI for this course?

- Paraphrasing – AI can be used to improve language skills and rectify grammatical errors.
- Idea generation – AI can be used to suggest new concepts and can also help to gain valuable knowledge about any topic.

2. Do you think software companies should pay for any copyrighted materials that are used in their training models? Why or why not?

Yes, I believe that companies should pay for copyrighted materials as the original creators of those codes have the right to be compensated for their work being used for different purposes.

#### References

[1]"OpenAI ChatGPT, 'Response to Inquiry on Addressing Bias and Inaccuracies in AI for Judicial Sentencing,' January 2024. Auditing system."

[2]Used AI to improve language.