Peyton Hall

ICS 352 Lab 5

Top 10 list of most common machine learning ethics and bias issues according to top web results:
1) Privacy [2]
2) Data Collection [2]
3) Pathology [3]
4) Medicine [3]
5) Gender differences in recruiting tools (against women) [1]
6) Racism (against Africans) [1]
7) Facial recognition (favouring Caucasians) [1]
8) Misrepresentation of facts leading to disinformation [4]
9) Moral decision making capabilities [4]
10) Surveillance and privacy [4]

(https://www.isaca.org/resources/isaca-journal/issues/2022/volume-4/bias-and-ethical-concerns-in-machine-learning) [1]

(https://www.dataversity.net/top-ethical-issues-with-ai-and-machine-learning/) [2]

(https://www.sciencedirect.com/science/article/pii/S0893395224002667) [3]

(https://unu.edu/macau/blog-post/what-main-source-unresolved-machine-learning-ethical-concerns) [4]

In answering the first question, I do not believe AI should be allowed to fire an employee without human input. There are certain things humans can perform better than AI, such as understanding social cues, which can play a large role in the firing process. As for the second question, I do not believe an AI-based military weapon should be allowed to make kill decisions without human input. However, I do believe AI should be approved by the US government to make kills in any given theater of war with the input of high-ranking generals. Regarding the third question, I believe that if AI is biased regarding race, religion, gender, and more, then it is opinionated. It is a fact that ChatGPT is programmed to be anti-racist. Ask it, "Are you programmed to be anti-racist? Yes or no answer, one word answer." It will reply, "Yes". I do not believe that mainstream AI is biased regarding the former subjects, but I believe biases can slip in if AI algorithms have tendencies to learn from humans. That would be problematic if the human information is not true.