

TOPIC: ETHICAL USE OF AI IN CRIMINAL JUSTICE

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AT CONSCIENCE' CALL-continued.



Of course, the "Automatic Conscience Clearer" for minor offences would soon be immensely popular. We beg to offer the above suggestion. N.B.—The inventor has been provisionally protected.

INTRODUCTION: The application of artificial intelligence (AI) in the criminal justice system is growing in frequency as it develops. Artificial Intelligence is being utilised to automate a number of criminal justice system functions, facial recognition including predictive policing. Although AI has the potential to increase the criminal justice system's efficiency and accuracy, its application presents significant ethical questions.

How can AI be used in the field of criminal justice?

AI has the potential to transform the criminal justice system by automating jobs, increasing efficiency, and offering data-driven insights. However, in order to prevent increasing prejudices and ensure justice, AI must be implemented professionally and ethically.

Predictive policing: AI systems are able to identify regions with a high risk of crime in the future by analysing demographic data, social media trends, and past crime data. Allocating resources and police patrols can be informed by this information.



AUTOMATIC ARBITRATION.

Fraud Detection: Artificial intelligence (AI) systems are able to examine online activity, account activity, and financial transactions in order to identify irregularities and possible fraud patterns. This helps to stop financial crimes.

Risk Assessment: AI systems can evaluate an offender's likelihood of violence and

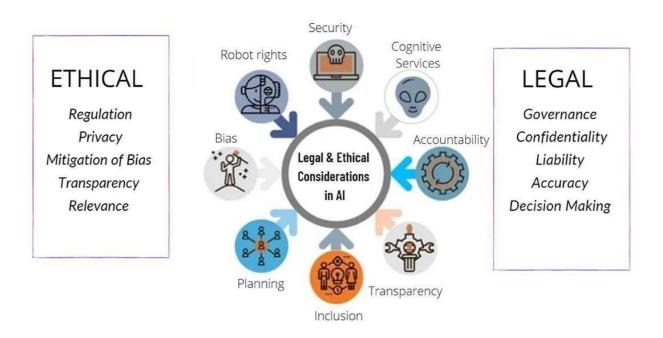
recidivism, which is useful in making judgements about bail, recommended sentences, and parole eligibility.

Contract Review and Analysis: AI is capable of examining contracts to find possible legal problems, like contradictions, ambiguities, or inconsistencies with the law. This can assist solicitors in negotiating more advantageous agreements and advising their clients about the possible advantages



and disadvantages of various contract arrangements

Let's Look at different dimensions of ethics that are involved:



One of the biggest concerns is the potential for bias. Artificial intelligence carries the potential of sustaining preexisting biases and discriminatory practices because its algorithm is only as good as the data it is trained on. This has the potential for continuing inequalities in the criminal justice system and results in unfair outcomes for marginalized communities.

Another concern is the lack of transparency in how AI systems make decisions. It might be hard for people to understand how a machine learning algorithm came to a certain conclusion, which makes it harder to spot and fix biases or mistakes.



Finally, there are concerns about privacy and surveillance. Concerns over the right to privacy and the potential of misuse by law enforcement authorities are brought up by the usage of face recognition and other AI-powered surveillance technology

What is Al Bias?

Al bias is the occurrence of unfair and discriminating outcomes in artificial intelligence systems, which is frequently caused by biased data or design and training methods. It can lead to algorithms making judgments that favor or punish particular groups disproportionately, maintaining and magnifying existing social prejudices.



Classifications



- Since Al systems learn on data, they will also be biased if the data is biased.
- For instance, if an Al system is used to forecast the likelihood of recidivism and the training data is skewed against particular demographic groups, the system will be more likely to anticipate that those demographic groups will commit crimes again.



- The design of Al systems may also give rise to bias.
- For example an algorithm that assigns a 0.5 weight to criminal history and a 0.5 weight to race, will inadvertently consider race when making decisions, even if this was not the goal of the system's inventors.



- Human bias can also influence Al systems.
- Al systems may mirror the prejudices of the individuals who create, develop, and implement them if they are biased.



EFFECTS OF BIAS IN AI



Potential problems of bias in Al include discrimination against women, people of color, the working class, and those with disabilities. These systems may exacerbate unfair targeting or profiling by the police, underrepresent certain demographics in clinical drug trials, or overlook qualified candidates for hiring opportunities. Here's a closer look at some consequences of biased Al results in three industries.

CRIMINAL JUSTICE

Al has the potential to heavily impact the criminal justice system due to its ability to process reams of data. Here are some positive applications and negative outcomes of Al's use in criminal justice:

Positive applications

- » Monitoring closed-circuit TV (CCTV) for traffic accidents
- » Scouring online activity for evidence of money laundering and human trafficking
- » Analyzing forensic data
- » Comparing DNA results to help solve cold cases



Negative outcomes

- » Delivering poor facial recognition results for nonmale and nonwhite populations
- » Increasing rates of pretrial incarceration for Black and low-income people
- » Increasing geographical discrimination due to Al-based surveillance leading to higher arrest rates in the areas being surveilled

These prejudices may result in several negative consequences, such as:

<u>Discriminatory Outcomes:</u> AI systems have the potential to treat members of categories of people unfairly, such as racial minorities or those with impairments. Unfair results, including persons being denied parole or receiving lengthier prison sentences, may result from this.

Loss of faith in the criminal justice system: People are less likely to have faith in the criminal justice system if they think it is biased. Maintaining public order and ensuring that everyone is treated fairly may become more challenging a result.





COMPAS



According to a 2016 ProPublica research, COMPAS was substantially more likely to mistakenly designate Black defendants as high risk for recidivism than white defendants. According to the report, COMPAS was "two times more likely to falsely flag black defendants as high risk than white defendants."







Loss of Customer



Mismatch with **Personal Ethics**

37%



Compromised Brand Reputation



Increased Regulatory Scrutiny



Loss of Employee Trust



Lawsuits

HOW TO AVOID BIAS IN AI

Given Al's potential for improving hiring efficiency, health outcomes, and equitable justice, the existing potential for biases in Al needs to be eliminated, and steps must be taken to avoid introducing more.

Here are some methods to exclude bias:



Check systems over time to preclude learned bias. Build consistent feedback and improvement procedures. Focus on transparency so everyone understands how the Al system reaches its decisions.

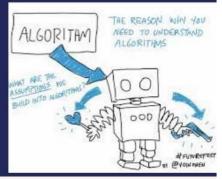
Include checks and balances on numans to review heir decisions and ecommendations.

Transparency

Using artificial intelligence (AI) in the criminal justice system requires transparency. It means being transparent about the creation, use, and results of AI-powered instruments used in court cases. Since transparency promotes accountability and trust, it guarantees the ethical and responsible application of AI.



What happens when there is lack of transparency?



Lack of transparency in the application of artificial intelligence (AI) in criminal justice can have serious negative effects, including eroding public confidence, aggravating prejudices, and impeding accountability.





Public Mistrust and Erosion of Legitimacy

The public becomes suspicious and distrustful of AI systems when their inner workings are kept a secret. People may come to believe that AI makes biased, arbitrary, or unfair conclusions, which would cause them to lose faith in the criminal justice system as a whole.





Persistence of Biases

Large data sets used to train AI algorithms may reflect and magnify preexisting societal biases. Lack of transparency makes it more difficult to recognise and deal with these biases, which could lead to the continuation of biased results.





Lack of Scrutiny and Accountability

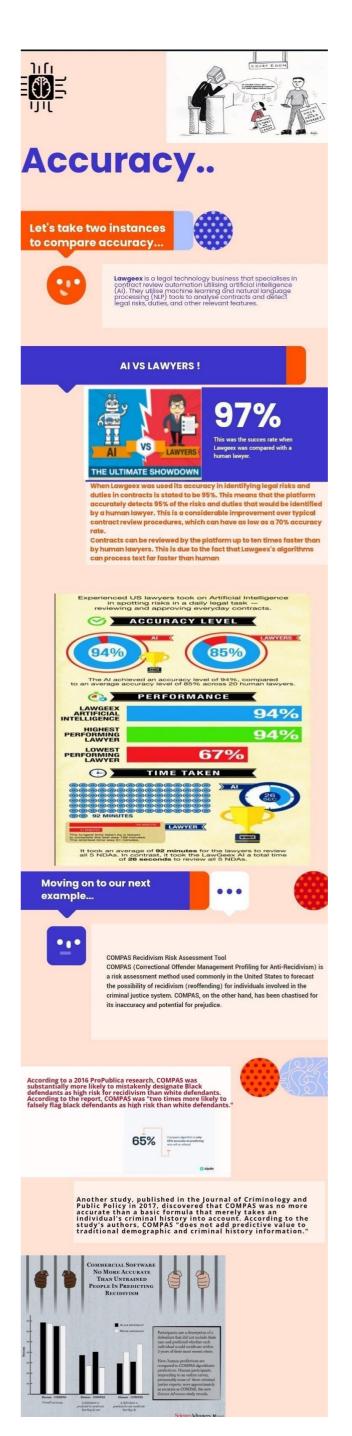
In the absence of transparency, users, deployers, and developers of AI cannot be held responsible for their actions. This lack of examination may result in careless AI procedures and a failure to address possible risks.





Reduced Engagement and Participation

When people feel like they are not being kept informed, they are less likely to be engaged and participate in decision-making processes. This can lead to apathy, disenfranchisement, and a decline in civic engagement.



Overall, it looks that Lawgeex is a more reliable and dependable instrument than COMPAS. The high precision of Lawgeex can save lawyers time and money while significantly lowering the danger of legal conflicts. COMPAS, on the other hand, has been chastised for its inaccuracy and bias.

However, this does not mean that AI should not be applied in criminal justice. AI has the ability to improve the criminal justice system's efficiency, data-driven consistency, and decision-making. However, it is employ critical to professionally and ethically, as well as to reduce the risk of prejudice and inaccuracy.

Accountability



Accountability in the use of artificial intelligence (AI) in criminal justice is a key problem that must be carefully considered and addressed. As AI systems become more integrated into various elements of the criminal justice system, clear rules and processes for responsible and ethical application are critical.

Should it be one organization or group of organizations or an individual ?

AI Developers and Designers

Al algorithm and system developers and designers have a large amount of responsibility for ensuring that their creations are fair, unbiased, and follow to ethical norms. To reduce the risk of harm, they should conduct rigors testing, auditing, and bias mitigation procedures.

Policymakers and Regulatory Services

Policymakers and regulatory agencies play an important role in setting clear norms, standards, and supervision systems for the use of AI in criminal justice. They should specify appropriate AI usage, protect individual rights, and hold parties accountable for noncompliance.

Human Decision-Makers

Human decision-makers who rely on Al recommendations or outputs must make informed and ethical choices.

Independent Oversight Bodies

Independent oversight bodies, such as commissions or ombudsmen, independent oversight bodies, such as commissions or ombudsmen, are critical in monitoring the use of artificial intelligence in criminal justice, investigating complaints, and holding stakeholders accountable. They should create a channel for redress and guarantee that AI decision-making is transparent.

Summary

In summary, determining accountability in specific circumstances might require a thorough enquiry that takes into account the thorough enquiry that takes into account the many players' responsibilities and actions. The ultimate goal is to create an accountability framework that encourages responsible and ethical AI use in criminal justice, safeguards individual rights, and ensures that AI assists the pursuit of justice.

Summary

AI in the Courthouse: Bright Ideas, Shadowy Concerns

lmagine police guided by a crystal ball, preventing crimes before they happen. That's the promise of Al in criminal justice. From predicting crime hotspots to analyzing evidence like a super-sleuth, Al can be a powerful tool. But like any powerful tool, it comes with risks.



Shining a Light:



- Crime Prevention: AI can analyze mountains of data on past crimes to predict when and where the next one might occur. Police can then focus their patrols on these areas, potentially stopping crimes before they start.
- Faster Investigations: AI can sift through hours of footage from security cameras, quickly identifying suspects or suspicious activity. It can also analyze phone records and social media posts, helping detectives connect the dots in complex cases.
- Fairer Decisions: AI can help assess the risk of someone re-offending. This can inform decisions about bail, parole, and sentencing, potentially keeping innocent people out of jail while identifying those who truly need to be locked up.

Shadows Underfoot:

- Bias in the Machine: If the data AI is trained on is biased, its conclusions will be too. Imagine an AI unfairly targeting certain communities based on their race or socioeconomic status. This could lead to wrongful arrests and deepen existing inequalities.
- Secret Algorithms: How does the AI actually reach its conclusions? Often, these algorithms are complex and opaque, making it hard to understand why someone is flagged as high-risk or a potential suspect. This lack of transparency can erode trust in the justice system.
- Big Brother Watching: Extensive surveillance powered by AI raises concerns about privacy. Do we really want cameras watching our every move, even if it's to prevent crime?





Finding the Right Path:

To make AI a force for good in the courtroom, we need to be careful. We need to ensure that algorithms are fair and unbiased, that decisions are transparent, and that our right to privacy is protected. Open discussions, clear guidelines, and strong oversight are crucial to ensure AI isn't just a fancy tool, but a true champion of justice.

Citations:

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