

Ethical Challenges of Artificial Intelligence & Machine Learning

Extended Resources

- This compelling article by Henry Ajder shows a snapshot of deepfake videos and a compilation of statistics detected by his team:
 - <https://sensity.ai/deepfake-threat-intelligence-a-statistics-snapshot-from-june-2020/#:~:text=Number%20of%20deepfakes%20identified%20online&text=As%20disclosed%20in%20The%20State,7%2C964%20videos%20in%20December%202018.>
- This research journal goes into what it's like on the developers end to create a program that can make moral decisions on a human empathy/logical level:
 - http://moralai.cs.duke.edu/documents/mai_docs/moralAAAI17.pdf
- A video that discusses the poor security of the Internet of Things and how easy it is to hack into products.
 - https://www.ted.com/talks/ken_munro_internet_of_things_security
- A video, discussing the advancements being made with autonomous systems as well as, how private companies are more than willing to invest millions of dollars into the the research and development of these new technologies
 - https://www.youtube.com/watch?v=3oE88_6jAwc&t=296s
- A video, listing risks associated with AI, along with visual representation for better understanding
 - <https://www.youtube.com/watch?v=1oeoosMrJz4>
- This article take a look at several examples of Autonomous robots that have made significant progress in its development or has already been completed
 - <https://www.youtube.com/watch?v=1oeoosMrJz4>

- A journal article written by Roman V. Yampolskiy, making a case that scientists are misguided when it comes to machine ethics and how they should focus more on the safety of AI.
 - https://link.springer.com/chapter/10.1007/978-3-642-31674-6_29
- A video, where Toby Walsh (a leading researcher in AI) simplifies the relationship of ethics and AI, and also providing reasoning for the regulation of new technology
 - <https://www.youtube.com/watch?v=HSsQApXQGsl>
- A textbook written by both top medical experts and leading robotic data analyst that dives deep into the long running history of medical machinery.
 - https://www.researchgate.net/publication/273123956_Machine_Medical_Ethics
- A short read by Aparna Venkateswaran that discusses the methods of cheating in machine learning and why it's important to strive for integrity
 - <https://towardsdatascience.com/ethics-in-machine-learning-9fa5b1aac12>