coursera

AI and Ethics, Jobs, Bias

AI working for good

In the BBC's Machine Minds feature, Richard Gray writes about the many benefits of AI in today's world. The article is summarized below, and you can read the whole article here: <u>Treating cancer, stopping violence... How AI protects us.</u>

There are many applications of AI that are beneficial to society, helping to protect us from disease, from crime, from hunger, and from ourselves.

In the health field, AI systems are making impacts in controlling the spread of infectious diseases like Dengue fever, yellow fever, and Zika, by predicting outbreaks. The Artificial Intelligence in Medical Epidemiology (Aime) system uses over 270 variables to predict the next Dengue fever outbreak, and has an 88% accuracy rate up to three months in advance. *(Aime)*

Early detection is crucial in the successful treatment of many cancers, sight loss, and other health problems. AI is having an impact here too. IBM Watson systems are being trained to identify tumors and help diagnose breast, lung, prostrate, and other cancers. *(IBM)*

Google DeepMind is working with the National Health Service (NHS) in the UK to train AI systems to interpret eye scans. *(DeepMind, Vox, Forbes)*

Violent crime is a seemingly insoluble issue, but again, AI is having an impact in two major areas: gun violence and knife crime. In the US, the Shotspotter system is being used to detect the sound of gunshots and alert authorities quickly. *(Shotspotter)*