AMASAI

#BUSINESS #IA #ETHICS #INNOVATION #DATA

OSCE Keynote

24/09/2019
Cesare LOMBROSO, 1835-1909

Born Criminal - Atavism

Focus for research put on the poor and minorities

Unethical conclusions: sexism, racism…

Source: Conjunto de crânios de criminosos. Estudo de Cesare Lombroso. Fonte: LOMBROSO, C
Prejudiced data

- Bias inherent in any action perception system (human bias)
- Bias that discriminate on the basis of prohibited legal grounds
- Bias that some would qualify as unfair

Source: Understanding and Reducing Bias in Machine Learning, Jiaconda, Medium
AI issues

- Past population ≠ Future population
- Watch out for singularities
- Even if we leave out some attributes like race, it may come back because of geography, schooling or social classes
« Don’t show me the answers, explain how you got them »
Inclusiveness

Support and promote women and gender minorities practicing, studying or interested in the fields of machine learning, data science and artificial intelligence.

Create opportunities for our members to engage in technical and professional conversations.

Inclusive to anyone who supports our cause regardless of gender or technical background.
Ethics

Accountability
AI designers are responsible for the technology they create and develop.

Transparency
They must ensure trust rather than performance so as to build an AI dedicated to human.

Values
We have to work together to shape the world’s future according to our values.
Fairness

“Fairness is a big issue. Human behavior is already discriminatory in many respects. The data we’ve accumulated is discriminatory. How can we use technology and AI to reduce discrimination and increase fairness? (…) I think we’re in an era where responsibility is something you need to design and think about as we’re putting these new systems out there so we don’t have these adverse outcomes.”

Paul Daugherty, Chief Technology and Innovation Officer, Accenture
Collaboration between computer scientists, practicing lawyers, and philosophers

See what other sectors are doing and how regulation manage to impose ethics

Internet knows no boundary, states have to work together to define what ethic we want and how to get there
Thank you

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