

Legal Implications of AI

Overview

Challenges today

- Data Protection / Data Availability
- Colluding Algorithms
- Contract Law
- Social Media
- Discrimination
- Autonomous machines

Challenges in the future

- Rights for Artificial Intelligence?
- Obligations / Liability?
- Hybrids?

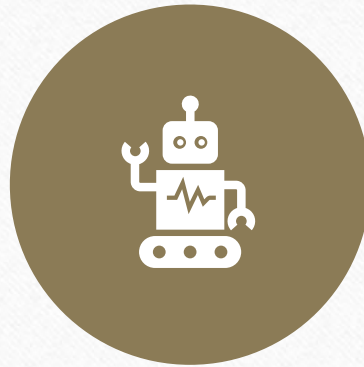
Data Protection

- Personal Data:
 - “any information relating to an identified or identifiable natural person” (Art. 4 I General Data Protection Regulation (GDPR))
- EU: High standards (Art. 7, 8 CFR)
- Other parts of the world?
 - Africa
 - Asia
 - USA
- Data-Transfer?
- Usage purely by machines?

Data Protection – Selective Problems



PERSONALIZED
ADVERTISEMENTS



INSURANCES & HEALTH
GEAR (SMART WATCHES)



CORONA-APPS

Data Availability



Data = Necessary for training
AI



Access to lots of data =
Advantage



Network-Effects

Data Availability - Regulations

- „State-Data“ (open-access data-pool)
- Right to data access
- Portability of (personal) Data (Art. 20 GDPR)
- Prohibition of „self-preference“

Algorithmic Pricing



The Making of a Fly: The Genetics of Animal Design (Paperback)
by Peter A. Lawrence

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List Price: ~~\$70.00~~
Used: from **\$35.54**
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New 1-2 of 2 offers

Price + Shipping	Condition	Seller Information	Buying Options
\$1,730,045.91 + \$3.99 shipping	New	Seller: profnath Seller Rating: ★★★★★ 93% positive over the past 12 months. (8,193 total ratings) In Stock. Ships from NJ, United States. Domestic shipping rates and return policy . Brand new, Perfect condition, Satisfaction Guaranteed.	Add to Cart or Sign in to turn on 1-Click ordering.
\$2,198,177.95 + \$3.99 shipping	New	Seller: bordeebok Seller Rating: ★★★★★ 93% positive over the past 12 months. (125,891 total ratings) In Stock. Ships from United States. Domestic shipping rates and return policy . New item in excellent condition. Not used. May be a publisher overstock or have slight shelf wear. Satisfaction guaranteed!	Add to Cart or Sign in to turn on 1-Click ordering.

Algorithmic Pricing

- Algorithms set to find the best price
- P 1: Algorithms compete with each other
- P 2: Collusion?
 - Usage of same data
 - Same price
 - No competition
 - Liability?

Contract Law



CONTRACTS ON
WEBSITES



AI ASSISTANTS

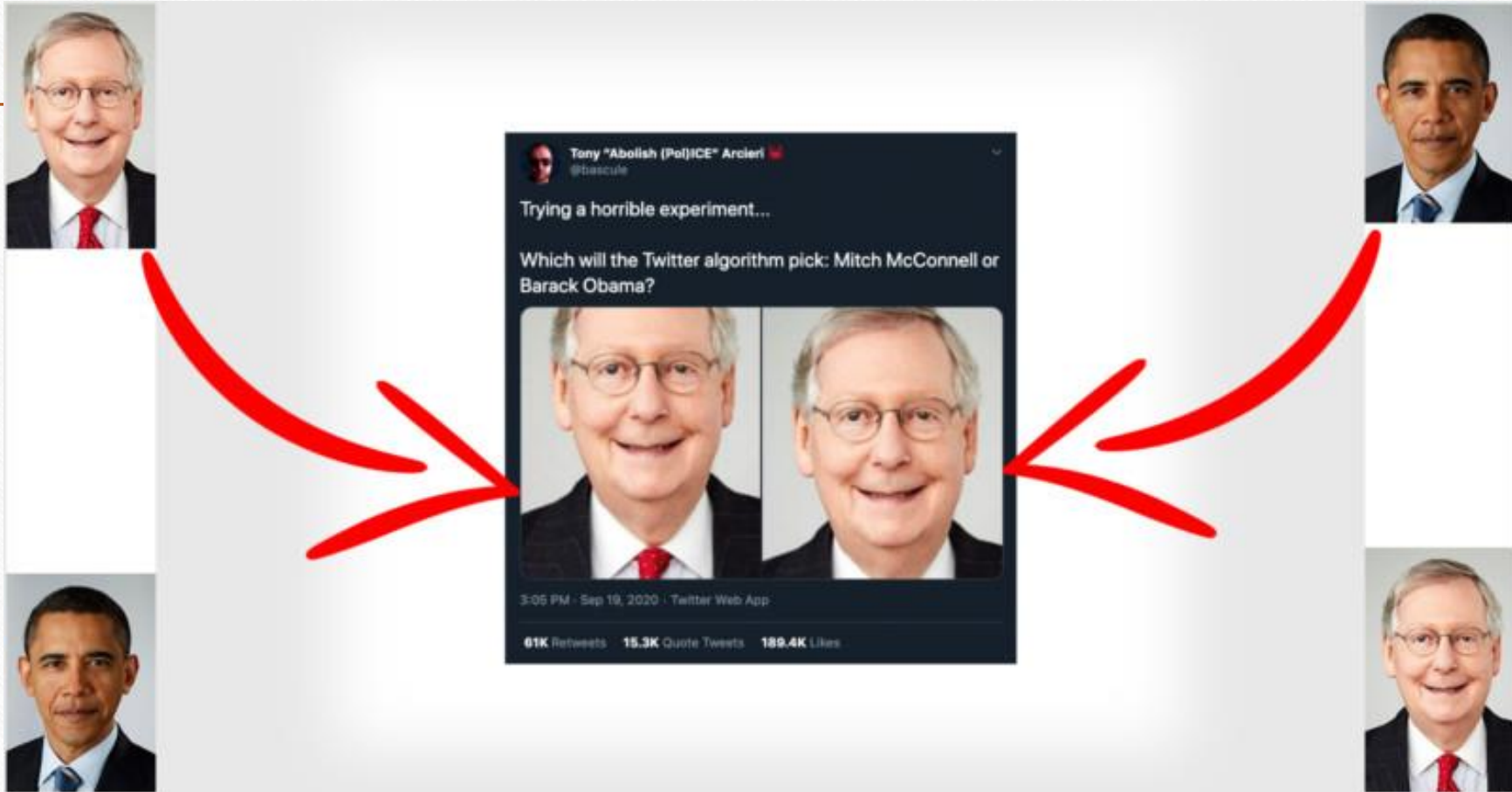


SMART
CONTRACTS

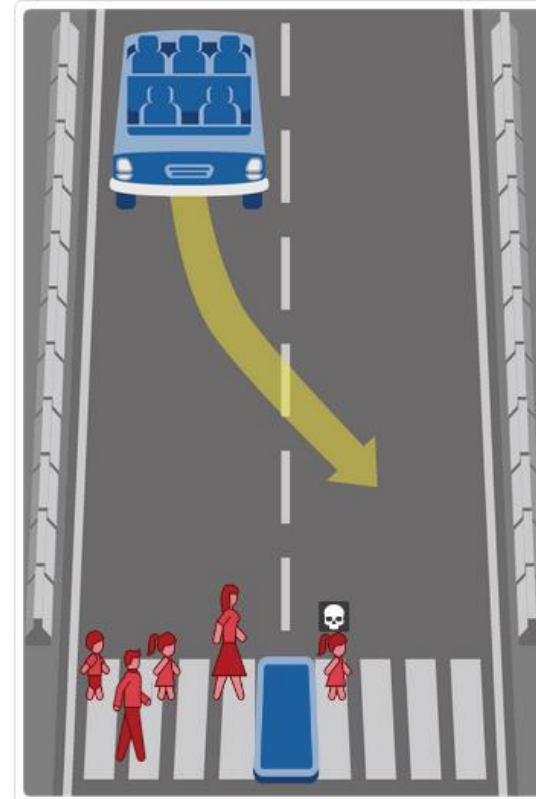
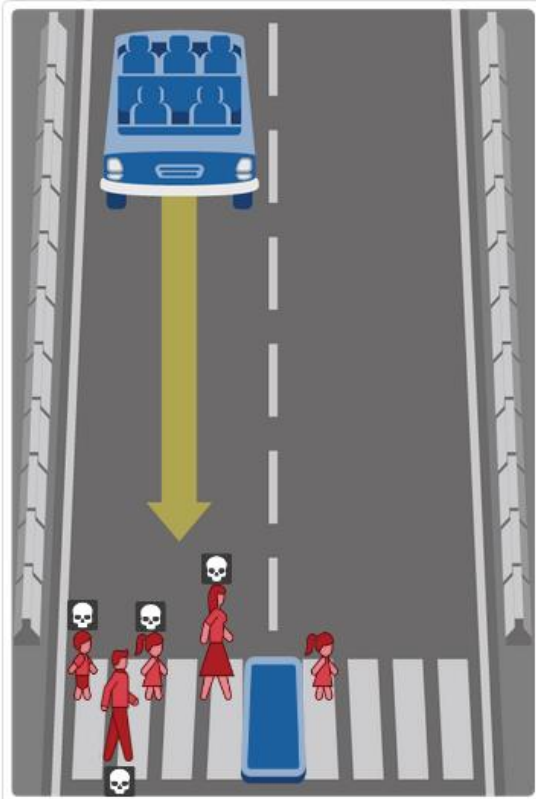
Social Media

- Hate-Speech
- Filter-Bubbles
- Echo-Chambers
- Fake-News

AI Discrimination

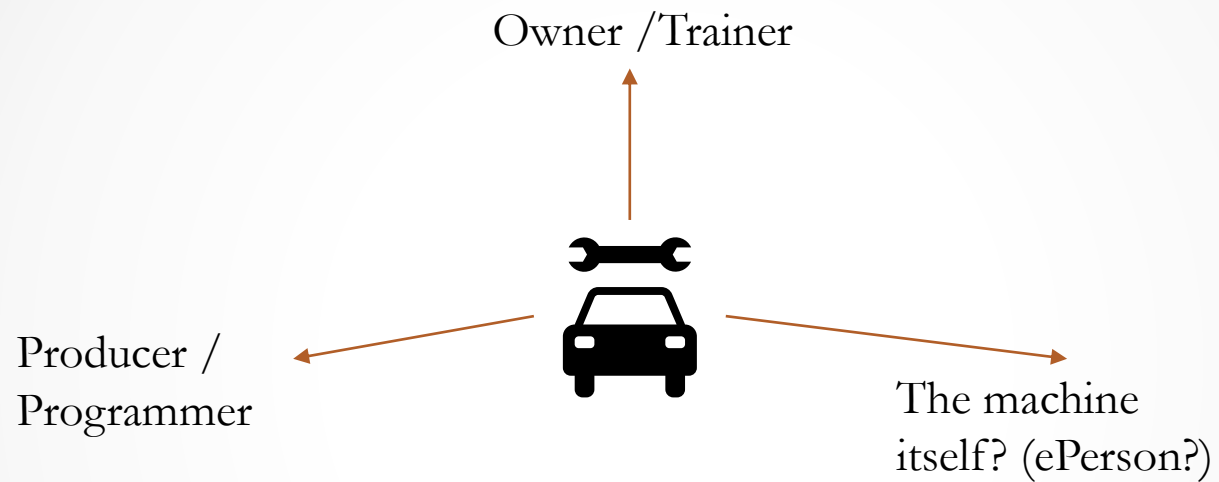


Autonomous machines



Autonomous machines

Liability?



In the future?

How the developement of AI can change our legal system

Liability

Autonomous decisions

Own obligations

Ethical coding



Rights for AI?

Human hybrids

- Cyborgs
- Artificial Consciousness

Thank you!

Questions?