TROLLEY TRACK DILEMMA

DEONTOLOGICAL
- RULE BASED DECISIONS
- ENDS DO NOT JUSTIFY THE MEANS
- ENFORCE RULES AND LAWS
- TROLLEY TRACK? CAN’T PULL LEVER

UTILITARIANISM
- GREATEST GOOD BASED DECISIONS
- RATIONALIZE RULE VIOLATIONS
- NOT RULE ENFORCERS
- TROLLEY TRACK? MUST PULL LEVER
WISCONSIN V. LOOMIS

BACKGROUND QUESTIONS
BLACK BOX
6 YEAR SENTENCE

ETHICAL CONSIDERATIONS

What are the human costs vs benefits?

CASE STUDY
ELDER CARE
How will AI Impact Social Behavior in the future?

“How never let the future disturb you. You will meet it with the same weapons of reason which today arm you against the present”
- Marcus Aurelius, Roman Emperor

QUESTIONS?
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• Icons: TheNounProject.com
Sources:
http://www.news.gatech.edu/2013/04/29/how-would-you-your-assistant-human-or-robotic
http://jpninfo.com/35984
http://jacotreneurship.blogspot.my/2010/05/paro-the-rapeutic-seal-robot.html
Sources (continued):
• http://kalw.org/post/robotic-seals-comfort-dementi-a-patients-raise-ethical-concerns#stream/0
• http://www.parorobots.com/index.asp
• https://www.brookings.edu/blog/techtank/2017/07/20/its-time-for-our-justice-system-to-embrace-artificial-intelligence/
• https://www.wired.com/2017/04/courts-using-ai-sentence-criminals-must-stop-now/
• http://www.equivant.com/challenges/supervision-and-compliance-monitoring
• http://intel.ly/aipublicpolicy
• https://www.theguardian.com/science/2017/nov/05/computer-says-no-why-making-ais-fair-accountable-and-transparent-is-crucial
• https://assets.contentful.com/8wprhhvnpfc0/1A9c3ZT CZa2KEYM64Wsc2a/8636557c5fb14f2b74b2be64c3ce0c78/_AI_Now_Institute_2017_Report_.pdf
seals-for-aged-care/
• https://www.theguardian.com/technology/2017/jan/15/driverless-cars-12-things-you-need-to-know