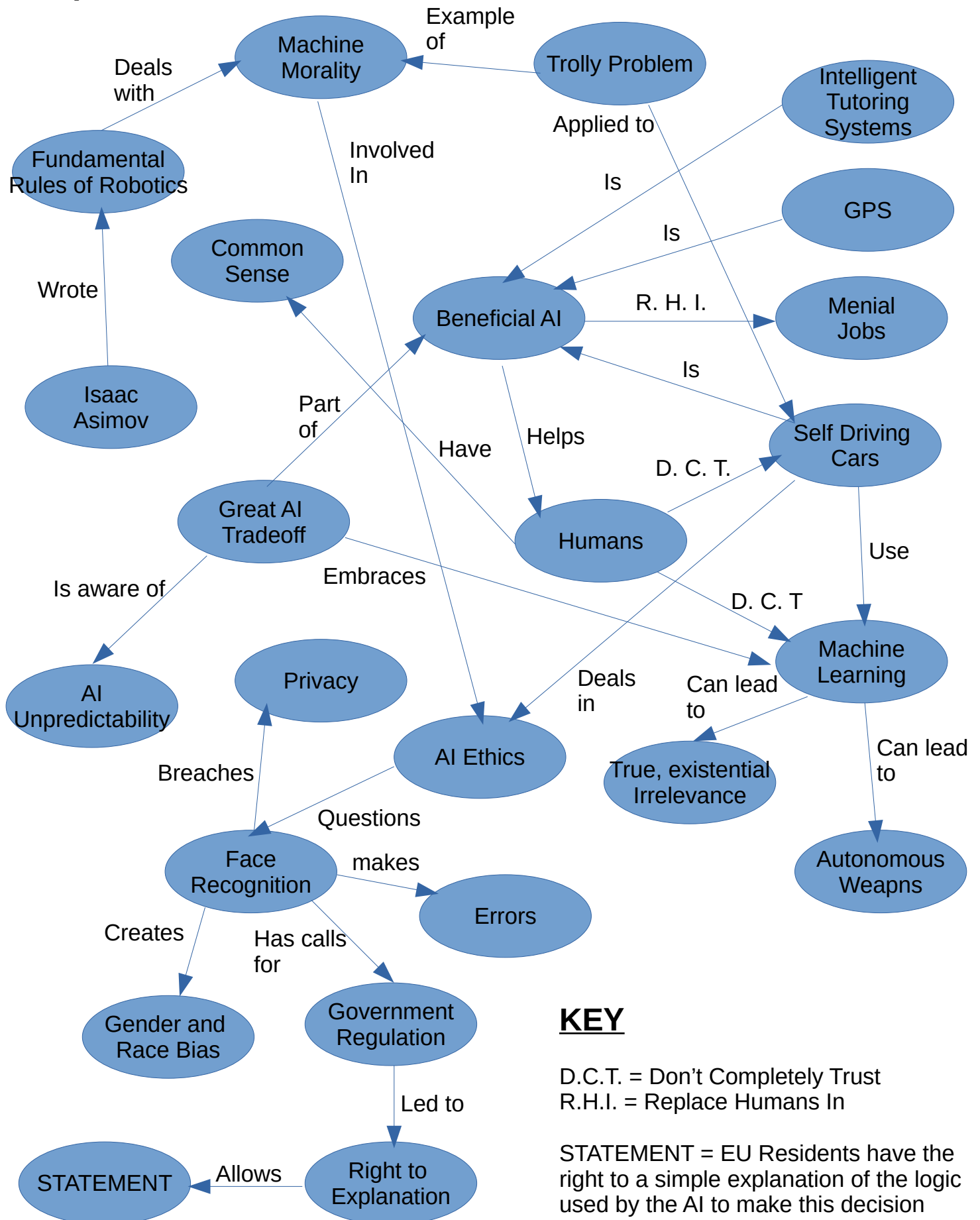


Chapter 7 Semantic Net



KEY

D.C.T. = Don't Completely Trust
R.H.I. = Replace Humans In

STATEMENT = EU Residents have the right to a simple explanation of the logic used by the AI to make this decision

Questions

1. (1) What does face recognition breach? (2) What other examples of AI technology arguably breach your privacy?
2. (1) What is a form of beneficial AI? (2) What is one job taken over by technology in the last 100 years?
3. (1) What did Isaac Asimov write? (2) Were the fundamental rules of robotics meant to be a perfect model of machine morality?
4. (1) What helps humans? (2) How might this in reality hurt humans?
5. (1) What is machine morality involved in? (2) What company markets their facial recognition system to police departments?
6. (1) What is the great AI tradeoff aware of? (2) What type of AI has been in greater demand after growing concerns about the “black box” nature of deep neural networks?
7. (1) What is applied to self driving cars? (2) Would a majority of humans ride in a self driving car designed to save a pedestrian?
8. (1) What do humans have? (2) How do most humans answer the trolley problem?
9. (1) What can machine learning lead to? (2) Why might humans allow for machine learning to get to these points?
10. (1) What did government regulation lead to? (2) What is the big problem with this?

Answers

1. (1) Face recognition breaches privacy. (2) Big data also breaches your privacy.
2. (1) GPS, Intelligent Tutoring Systems, Self driving cars. (2) The punkawallah.
3. (1) He wrote the Fundamental Rules of Robotics. (2) No, they were meant to show the flaws in machine morality.
4. (1) Beneficial AI helps humans. (2) Beneficial AI can take too many jobs from humans, lead to privacy violations and civil liberties violations.
5. (1) Machine morality is involved in AI ethics. (2) Amazon markets their facial recognition system to police departments
6. (1) The great AI trade off is aware of AI Unpredictability. (2) Explainable AI!
7. (1) The trolley problem is applied to self driving cars. (2) No.
8. (1) Humans have common sense. (2) Most humans switch the trolley to only hit one person.
9. (1) Machine learning can lead to Autonomous Weapons and “true, existential irrelevance”. (2) Profits, high demand, ... many answers.
10. (1) Government regulation lead to the right to explanation in the EU. (2) The actual regulation is very vaguely defined and open ended.