COMP 472: Artificial Intelligence Introduction Intro to AI

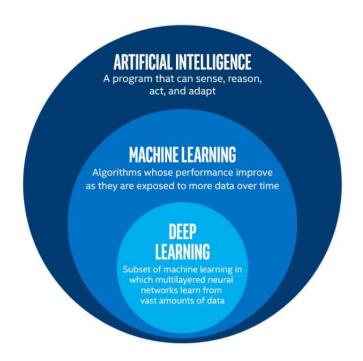
· Russell & Norvig, chap. 1 & 27

Today

- 1. Introduction to AI
- 2. Intelligence & the Turing Test
 - a) What is artificial intelligence?
 - b) What is intelligence?
 - c) The Turing Test
- 3. What do we do in AI?
- 4. History of AI

Introduction to AI

AI vs ML vs DL



- Major breakthroughs in many AI topics
- Thanks to a technique called Deep Learning

Recent Breakthroughs

Speech Recognition & Machine Translation (2010+)



ПРЯНЫЙ ШОКОЛАД

EveryoneSpeaksFood

SPICY CHOCOLATE

REVERYONESPEAKSFood



•Google now

•Google Translate

■ Skype Translator

- Image Recognition & Computer Vision (2012+)
- Natural Language Processing (2014+)

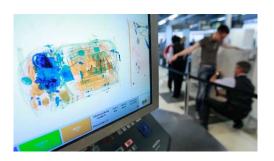
Recent Breakthroughs

- Speech Recognition & Machine Translation (2010+)
- Image Recognition & Computer Vision (2012+)









•Object recognition •Self driving cars

Airport Screening

- Natural Language Processing (2014+)
- **-** ...

Recent Breakthroughs

- Speech Recognition & Machine Translation (2010+)
- Image Recognition & Computer Vision (2012+)
- Natural Language Processing (2014+)

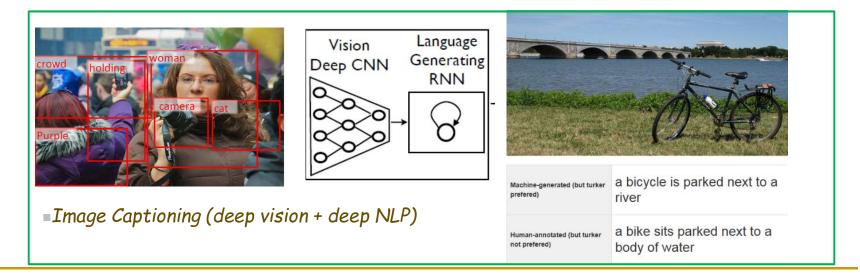
Joe went to the kitchen. Fred went to the kitchen. Joe picked up the milk. Joe travelled to the office. Joe left the milk. Joe went to the bathroom.

Where is the milk now? A: office

Where is Joe? A: bathroom

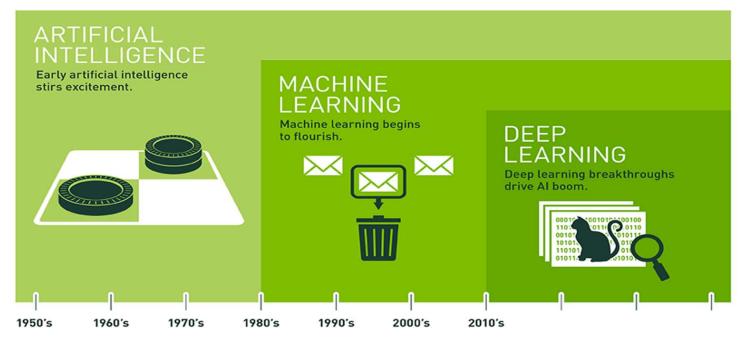
Where was Joe before the office? A: kitchen http://blog.esdn.net/qfmu_ejt_wl

Question Answering



History of AI





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Up Next

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