AI is the branch of computer science that try to replicate human intelligence, to do tasks that human can do, but that have been difficult for machines. Beat the best chess player, is really hard, but a PC, a really powerful one, did it. Things that is normal for humans, are still hard tasks for machines. Human can have a discussion easily, while for a PC is a hard task.

Alan Turing asked itself. How is it possible to decide if a computer was intelligent or not? He used a game: a woman and man write questions on piece of paper and send them to each other. You have to guess, based on the written answer which is the man, and which is the woman. He tried to play this game between a computer and a human. It’s difficult for computer to fool person in long conversations, but not in short, in fact a lot of people get fool in short conversation. An example of AI to manage conversation is a chatbot.

Anyway, AI is split into a lot of subfields: computer vision, natural language processing, robotics and computational creative. Computer vision is used to look for a disease by looking at an X-ray scan, natural language is used for all the chat bots or the algorithm used by google to run Google’s search engine, robots are used in factory. AI is limited to the human capacities, and human capacity to teach to machines to do what a human can do (human cannot explain how to recognize people’s face). To avoid this limit, we created machine learning.