The jobs we'll lose to machines — and the ones we won't by Anthony Goldbloom
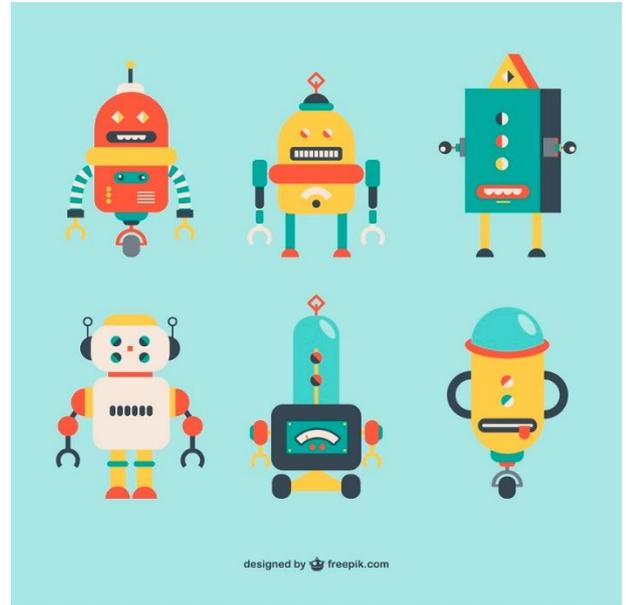
WARM-UP:

1. What kind of professions will disappear in the next 10-15 years and which ones will become more common?.
Fill in the table with a partner:

DYING PROFESSIONS	TOP FUTURE JOBS

Do you think that on balance more jobs will be created or lost because of technology?

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TED TALK:

2. Watch the TED talk and answer these questions:

a) What were the findings of the study carried out at Oxford University?
………………………………………………………………………………………….

b) What does machine learning enable?
………………………………………………………………………………………….

c) What could machine learning do in the 1990s and what can it do now?
………………………………………………………………………………………….

d) What are the things that humans can do and machines can't?
………………………………………………………………………………………….

e) How was the microwave oven invented?
………………………………………………………………………………………….

f) What two examples of tasks that humans are better at did the speaker mention?
………………………………………………………………………………………….

3. Watch the TED talk again and fill in the gaps below:

a) Artificial intelligence allows machines to learn from data and ……………….. some of the things that humans can do.

b) The speakers company, Kaggle, operates on the ……………….. ……………….. of machine learning.

c) People have made dramatic ……………….. in terms of machine learning over the past few years.

d) Machines are going to ……………….. humans at tasks like grading essays or doing eye check-ups.
e) The invention of microwave oven is a particularly ……………….. example of creativity.
f) A marketing copy has to ……………….. ……………….. from the crowd.
g) Humans are better at tasks that involve ……………….. novel situations.

VOCABULARY:

4. Fill in the sentences with the words from exercise 3:

a) Some say that one day we will all be replaced by computers with the ability to ………………………………. human intelligence.
b) As the data indicate, the experimental group ………………………………… the control group in terms of their work efficiency
c) We must make sure that we remain on the ………………………………. of innovation and change otherwise our rivals will win.
d) Globalisation would not have happened without the ………………………………. achieved in the field of IT.
e) One of the most ………………………………. achievements of capitalism is the drop in infant mortality.
f) The European Commission has outlined how this problem is being ………………………………. at a European level.
g) She was a great student, who ………………………………. from the rest.

DISCUSSION:

5. In small groups, discuss the following points:

- Do you think that technology steals people's jobs?
- In what type of job might a human be happy to have a robot take over some tasks?
- Who might be affected positively and negatively by the addition of robots in the workforce?
- If robots take on some tasks currently performed by humans, how might the humans' jobs change?
- How can we change the education to prepare new generations for automation?

DEBATE:

6. You will be divided into two groups. One group will be in favour and the other against the following statement:

Robots are taking over humans' jobs.

In groups, prepare three/four arguments **to support your opinion and think how to** refute any potential counterarguments **of your opponents.**