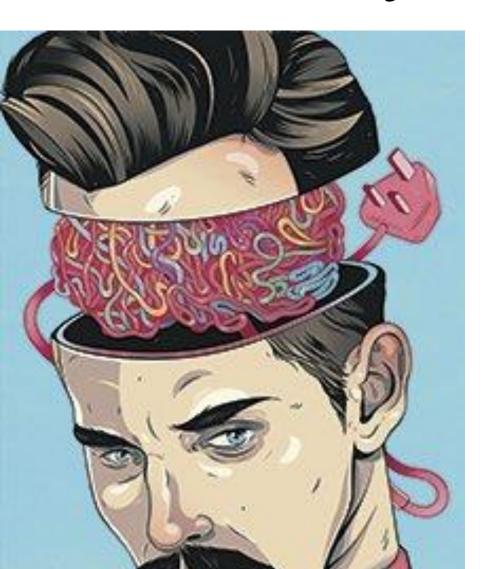
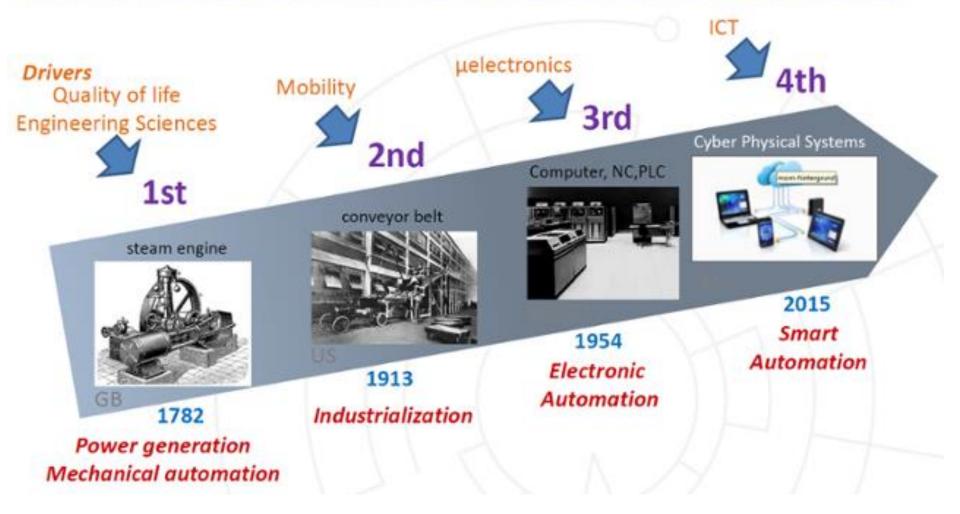
The influence of Artificial Intelligence on job market



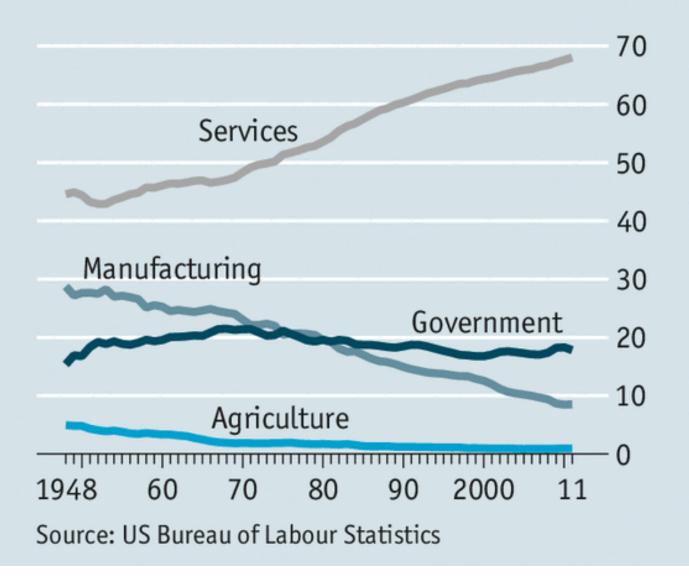
KAIST 바이오및뇌공학과 정재승

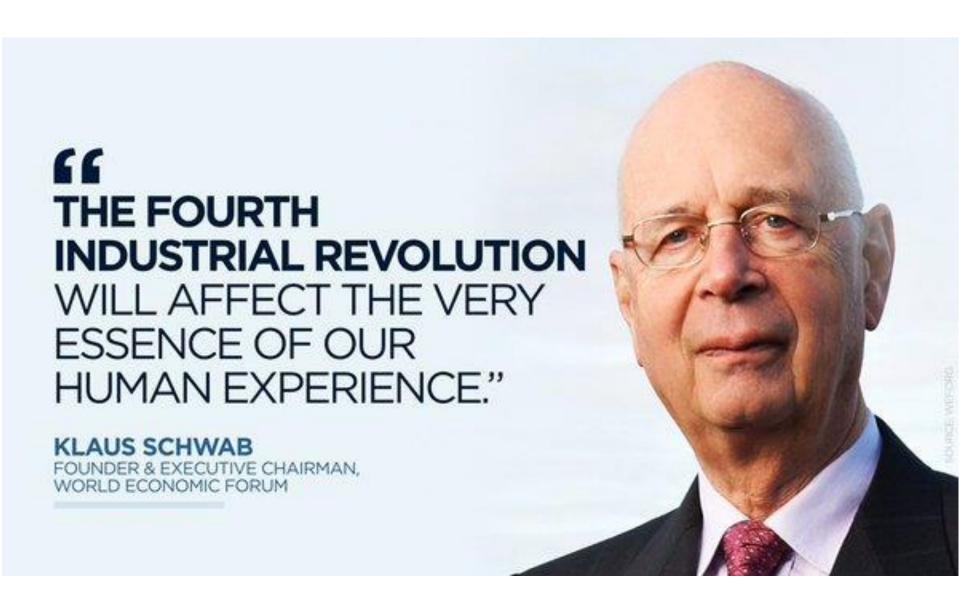
The 4th Industrial Revolution - "Industry 4.0"

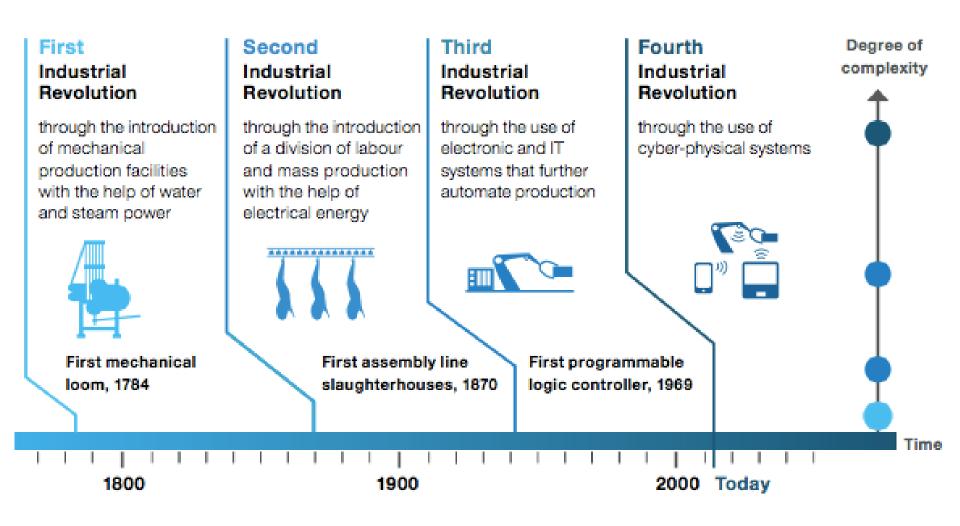


Not what it was

US employment by sector, % of total employment





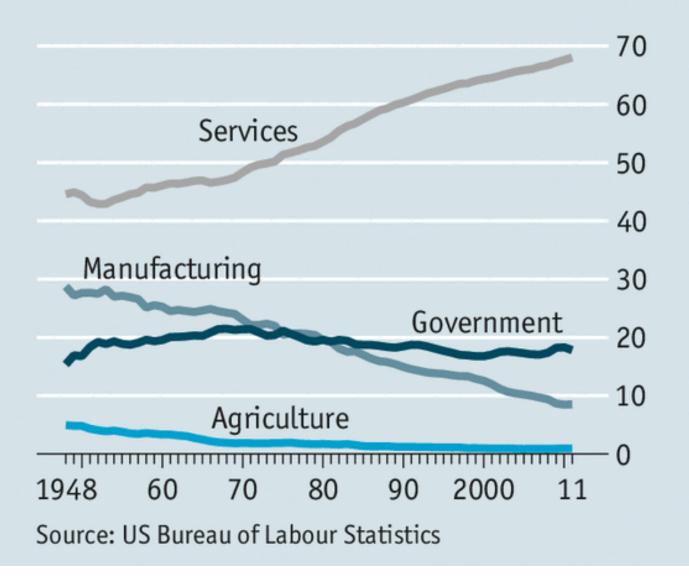


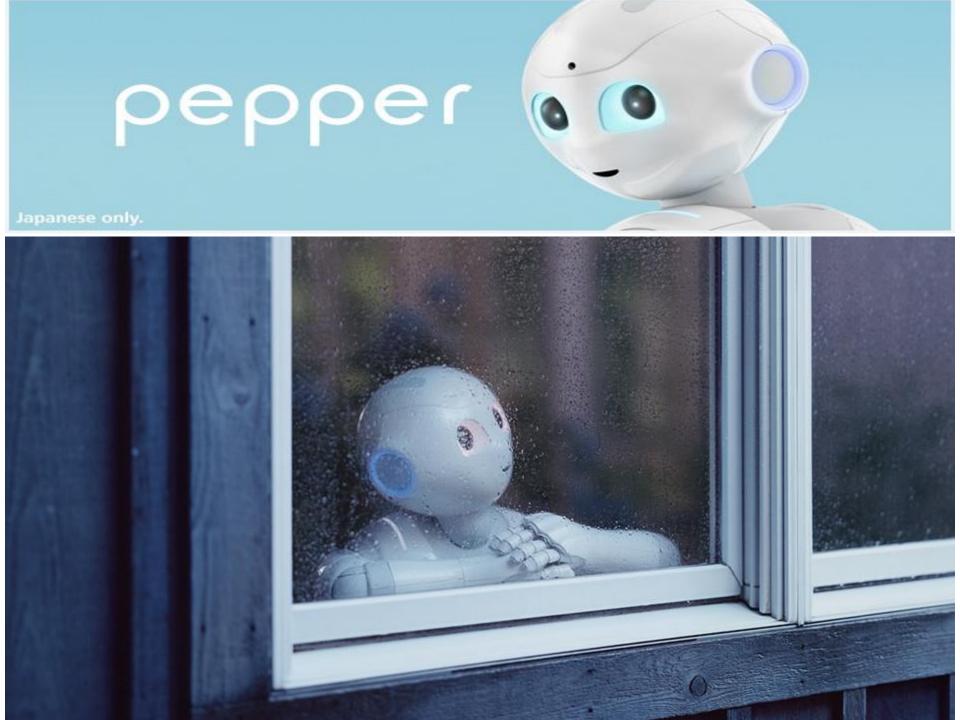
Cyber-physical assistance systems are driving the fourth industrial revolution Source: Siemens, Pictures of the Future, Spring 2013

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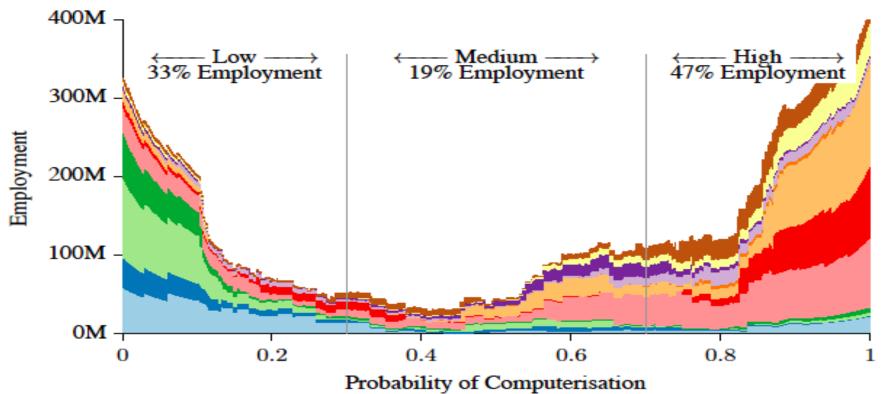
Not what it was

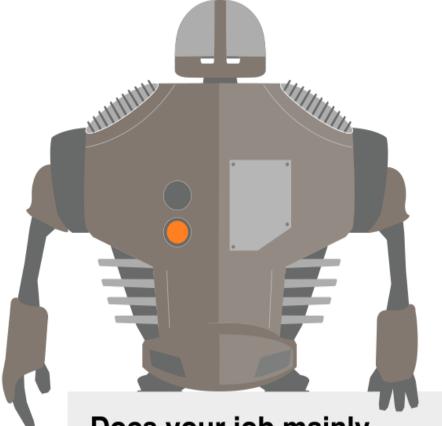
US employment by sector, % of total employment











Does your job mainly require you to:

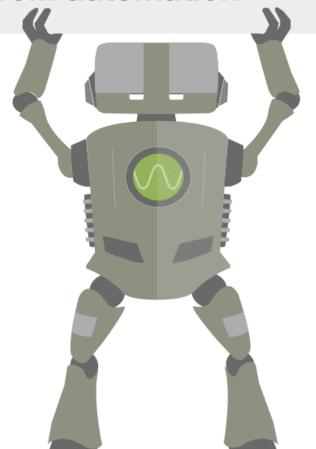
Squeeze into small spaces?
Assemble objects?
Manipulate small objects?

X Your job is at higher risk of automation

At work, do you need to:

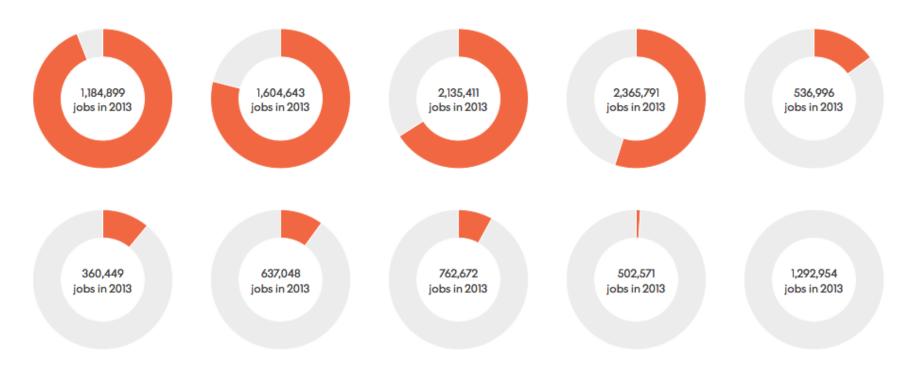
Negotiate? Help and assist others? Come up with original ideas?

Your job is safer from automation



JOBS LIKELY TO BE AUTOMATED

Jobs that are repetitive and don't require a lot of creativity or contact, have a higher probability of being automated in 10 to 20 years than others, according to Oxford University researchers Carl Benedikt Frey and Michael A. Osborne.

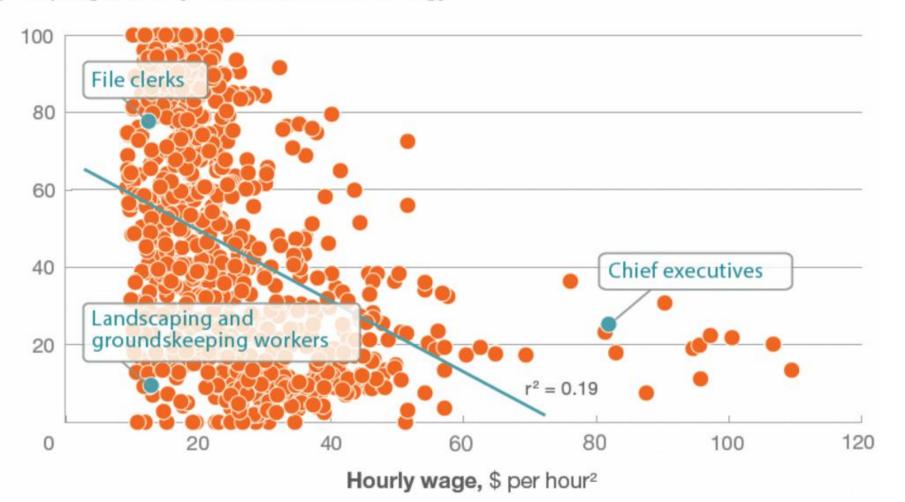


Source: USA TODAY analysis of Frey and Osborne data. Credit: Kate Van Winkle and MaryJo Webster, USA TODAY

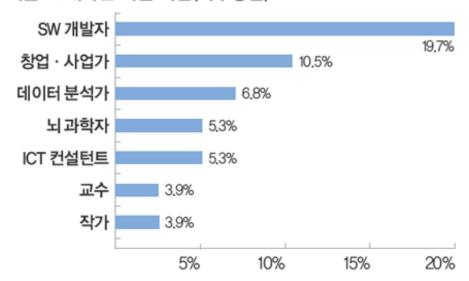
The hourly-wage rate alone is not a strong predictor of automatability, despite some correlation between the two.

Comparison of wages and automation potential for US jobs

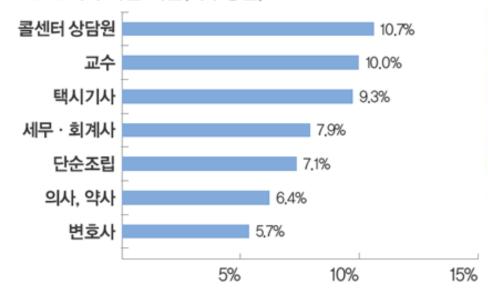
Ability to automate, % of time spent on activities that can be automated by adapting currently demonstrated technology



◆ 지금 20세라면 택할 직업(복수응답)

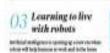


◆ 10년 안에 추락할 직업(복수응답)



https://doi.org/1001/100/000

ARTIFICIAL INTELLIGENCE FOR BUSINESS









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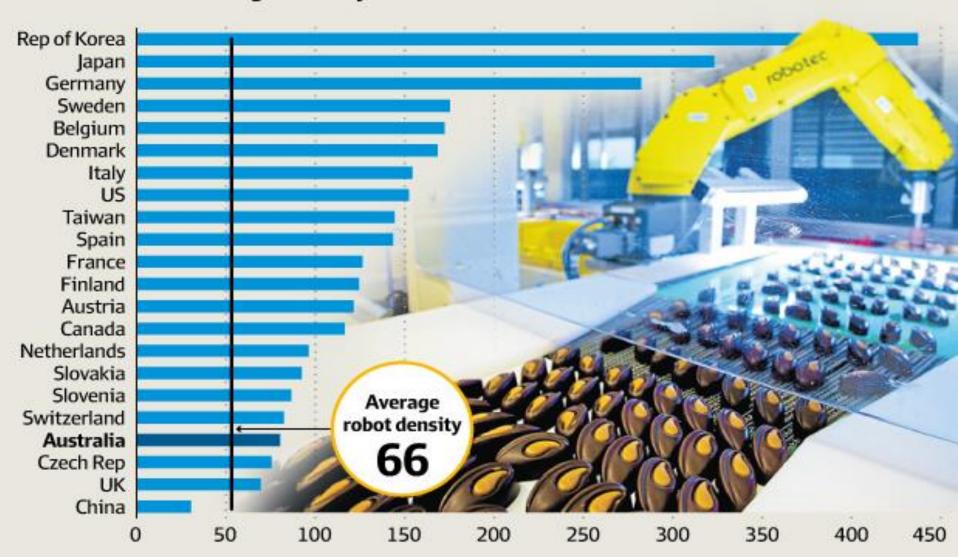
Provide and Controlling Controllers - Management and Assessment - Management and Assessment - Management - Ma

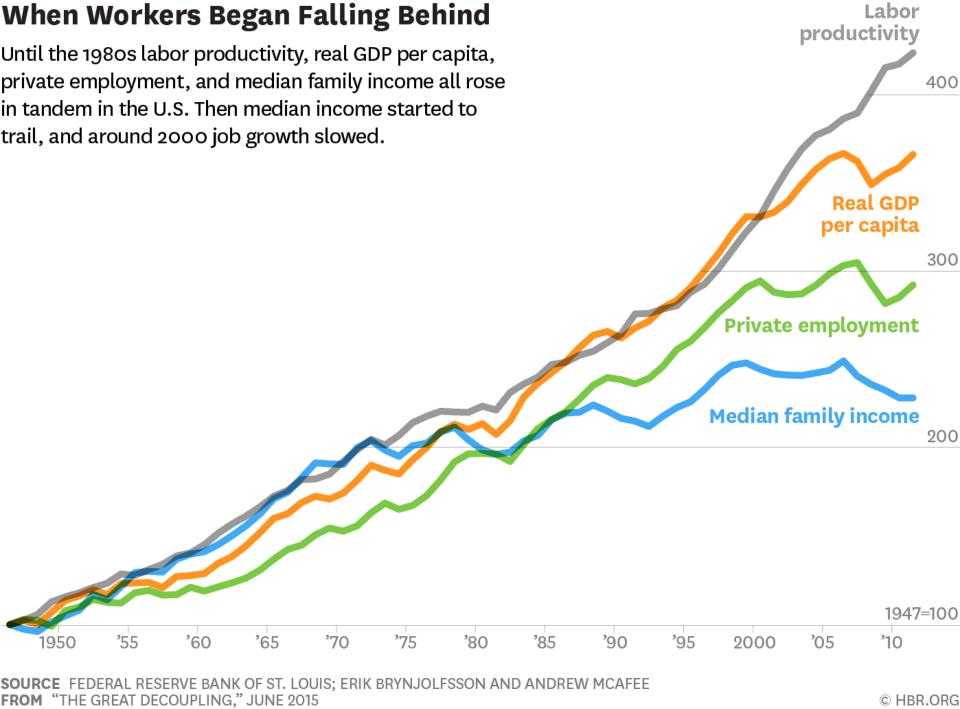




Automatic job losses

Number of multipurpose industrial robots (all types) per 10,000 employees in the manufacturing industry – 2014

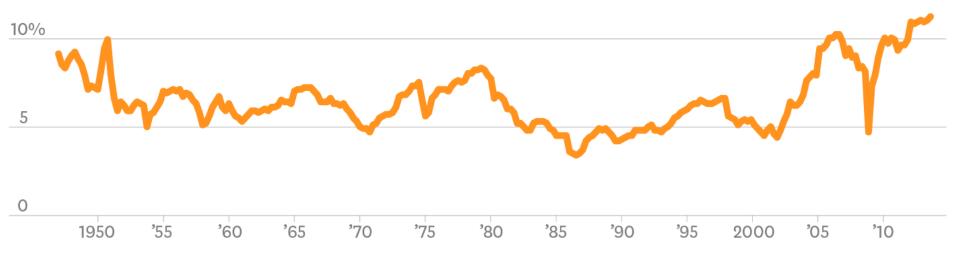




As Profits Climb, Wages Plummet

In the U.S., corporate profits were rising before the 2008 recession and quickly recovered from it. In contrast, labor's share of GDP, which was healthy for many decades, has fallen sharply since 2000.

CORPORATE PROFITS AS A PERCENTAGE OF GDP



WAGES AS A PERCENTAGE OF GDP

