

The relation between companies and AI [TC-5]

2723: Kyoto Prefectural Toba High School

Research Question

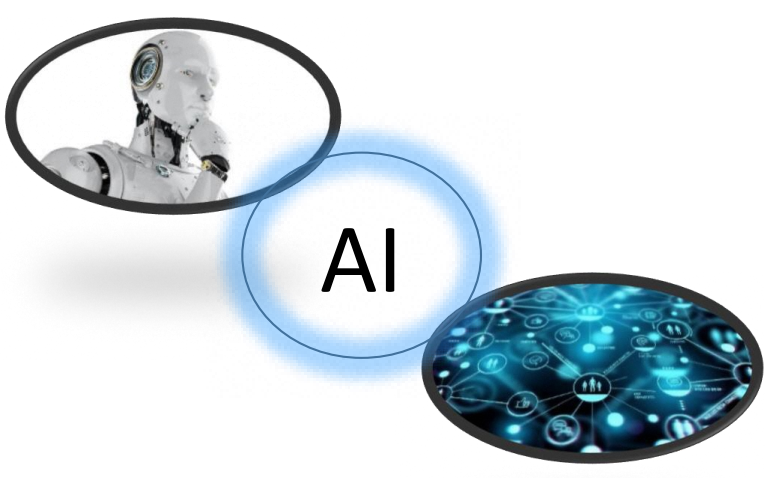
How will companies compete in the global market using AI technology?

Background

Nowadays, we hear the word “AI” in many situations. Whether it is voice recognition or automatic driving, AI is starting to play a **huge** role in society. However, Japanese companies are not adopting AI technology as much as foreign companies and at this rate Japan will be left behind in the **global market**. How can Japanese companies compete and survive in this situation?

Investigation

R Q ①
Why do companies need AI technology experts now?



Reference: Kurume Institute of Technology <https://www.kurume-it.ac.jp/future/ai-jinzai>

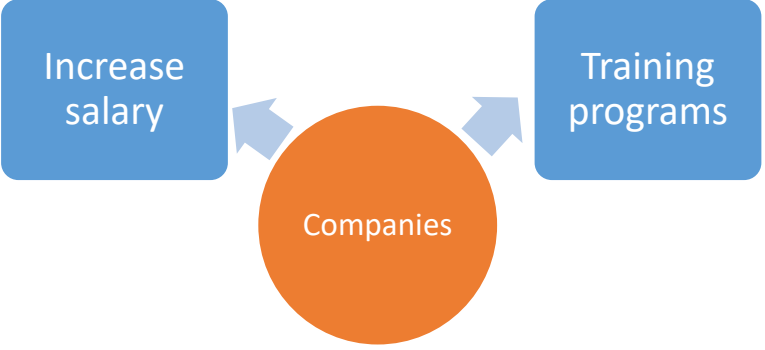
R Q ②
Do companies have enough AI specialists now?



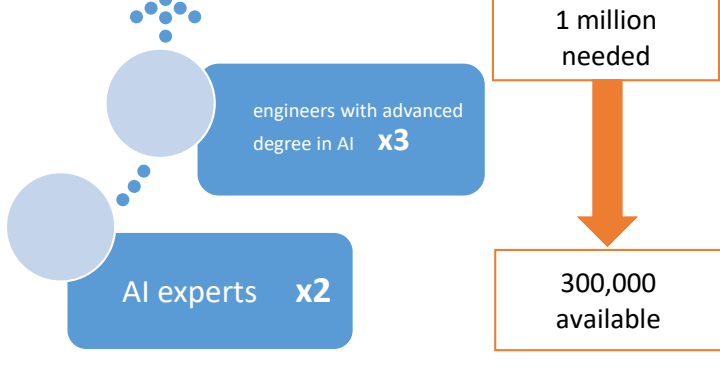
Year	Supply	Demand
2018	~100,000	~400,000
2030	~1,200,000	~2,400,000

Reference: Ministry of Economy, Trade and Industry 「IT人材需給に関する調査(概要)」(2018) https://www.meti.go.jp/policy/it_policy/jinzai/gaiyou.pdf

R Q ③
How can we increase the number of AI technology specialists?

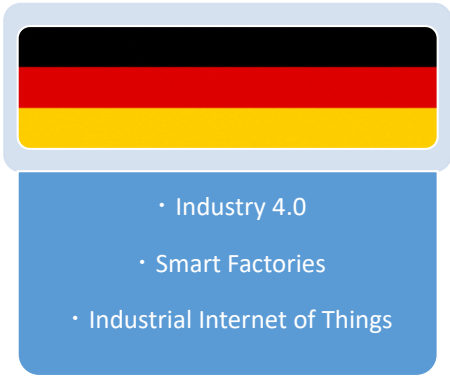


R Q ④
What is the current situation in regard to the number of AI specialists in foreign countries?



Reference: Ministry of Economy, Trade and Industry 「IT人材需給に関する調査(概要)」 https://www.meti.go.jp/committee/kenkyukai/shoujo/daiyoji_sangyo_skill/pdf/001_s03_00.pdf

R Q ⑤
What kind of measures are other countries taking to develop AI technologies?



Reference: Nikkei, Japan Broadcasting Corporation, Blurb media Inc.

Proposal

Japanese government should create a plan to greatly increase the number of AI engineers.

Discussion

Japanese schools will create opportunities for students to learn more deeply about AI. Students should learn about AI through **hands-on activities** such as using robots from an **early age**.