AI and Education in Schools

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Paragraph Writing

July 25, 2019

Abstract

These days, AI (artificial intelligence) is used in many places. Therefore, the use of AI for education is spreading rapidly. Using AI for education has many advantages. On the other hand, AI is not good at advice for students properly. There are also other disadvantages. However, there are more advantages than disadvantages. Moreover, each advantage between teachers and AI are different, therefore, teachers and AI can corporate and make better education.

Today, development of artificial intelligence (AI) is advanced rapidly. Okamoto (1990) said that since international conference about artificial intelligence has held at Dartmouth College in America in 1956, the word “artificial intelligence (AI)” has been spread around the world. Therefore, AI is used in many cases and help people’s life. It’s mainly used in medical institutions and business, Moreover, these days, it started being use in educational cases.

There are many good points to use AI in Education. Horiguchi (1990) said that AI helps teachers and reduce teacher’s loads. For example, there are marking system. Thanks for it, teachers can use their time for preparing for classes or another tasks. Furthermore, Saito (2016) said that AI can accumulate bigdata about each student and predict needs by students. By using big data, AI can provide apt teaching materials. It’s able to realize efficient and careful education.

However, there are also some disadvantages of adopting artificial intelligence in education. For example, AI is not good at advice for students properly. Conversation between teachers and children is so important, however, it is difficult for AI to cover that domain. Furthermore, it’s difficult to provide AI system for all schools because of financial problem. This may cause the education gap.

Of course, some problems would appear by adopting AI, however, I think the advantages will win. Furthermore, teachers can cover those disadvantages. In fact, a lot of schools partly adopt AI.

In conclusion, it is said that singularity which is the time when AI goes over human intelligence will come in 2045. However, AI can’t cover teacher’s all works. I think it’s important for teachers to use AI effectively.

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Corpus Analysis Addendum

The topic of my paper is AI and Education. In this paper, I used the word “apt” , and this word is expressed by *tekisetuna* (適切な) in Japanese. My dictionary lists some lexical items: appropriate, proper, apt, suitable, and right.

To understand the differences of use these words, I used the Concordance of Contemporary American English, COCA. This can be found at <https://www.english-corpora.org/coca/> I found the following examples of uses.

I found that *appropriate* means correct or suitable for a particular time, purpose, or situation. For example,

Any reason to think that whether harm results is an *appropriate* basis for publishing others.

The victim and her situation into account when determining the *appropriate* measure of punishment.

Then, I found that *proper* has similar meaning such as means right, suitable, or correct. And it is used only before noun. For example,

There is actually significant debate as to the *proper* scope of victimhood in the criminal low.

The *proper* name for Matthew’s condition is hyperkinetic syndrome.

*Apt* means something is exactly right for a particular purpose or situation. For example,

She had begrudgingly admitted the producer’s description was *apt.*

5.7% year-to-date, Beijing might also feel now is an *apt* moment to open the door to international investors.

*Suitable* means having the right qualities for a particular person, purpose, or situation. For example,

Identify a *suitable* modeling and solving technique.

The country has about 1.75 hectares of s*uitable* sites for aquaculture development.

Finally, *right* has similar meaning with proper. Right means the most proper. For example,

Reflecting the truth about the facts as well as the *right* choice of rules and principles to judge these facts.

By asking the *right* subquestions and using the *right* corpus, we can apply Watson Paths to any scenario-based question-answering problem.