

The new reality of education in the face of advances in generative artificial intelligence

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1

Smart products

It is increasingly common to interact with products that seem "intelligent", although the label "artificial intelligence" may have been replaced by other euphemisms.

2

ChatGPT - Nov. 2022

Since November 2022, with the emergence of the ChatGPT tool, there has been an exponential increase in the use of artificial intelligence in all areas.

3

Impact on education

Although ChatGPT is just one of many generative artificial intelligence technologies, its impact on teaching and learning processes has been significant.

4

Objective of the article

This article reflects on the advantages, disadvantages, potentials, limits, and challenges of generative artificial intelligence technologies in education to avoid the biases inherent in extremist positions.

5

First six months of ChatGPT

To this end, we conducted a systematic review of both the tools and the scientific production that have emerged in the six months since the appearance of ChatGPT.

6

Power of Generative AI

Generative artificial intelligence is extremely powerful and improving at an accelerated pace, but it is based on large language models with a probabilistic basis.

7

The foreseeable failures

Which means that they have no capacity for reasoning or comprehension and are therefore susceptible to containing errors that need to be contrasted.

8

Bugs that already existed

On the other hand, many of the problems associated with these technologies in educational contexts already existed before their appearance.

9

We should not ignore them

But now, due to their power, we cannot ignore them.

10

How and when to respond to this challenge

We must assume what our speed of response will be to analyse and incorporate these tools into our teaching practice.

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