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


**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.

**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.

**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.

**The foreseeable failures**

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

**Bugs that already existed**

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

**We should not ignore them**

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

**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.

**Smart products**

It is increasingly common to interact with products that assert “intelligence,” although the label “artificial intelligence” may have been replaced by other euphemisms.

**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.

**Impact on education**

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

**Smart products**

It is increasingly common to interact with products that assert “intelligence,” although the label “artificial intelligence” may have been replaced by other euphemisms.

**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.

**Impact on education**

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

**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.

**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.

**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.

**The foreseeable failures**

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

**Bugs that already existed**

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

**We should not ignore them**

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

**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.

**Smart products**

It is increasingly common to interact with products that assert “intelligence,” although the label “artificial intelligence” may have been replaced by other euphemisms.

**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.

**Impact on education**

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

**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.

**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.

**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.

**The foreseeable failures**

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

**Bugs that already existed**

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

**We should not ignore them**

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

**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.