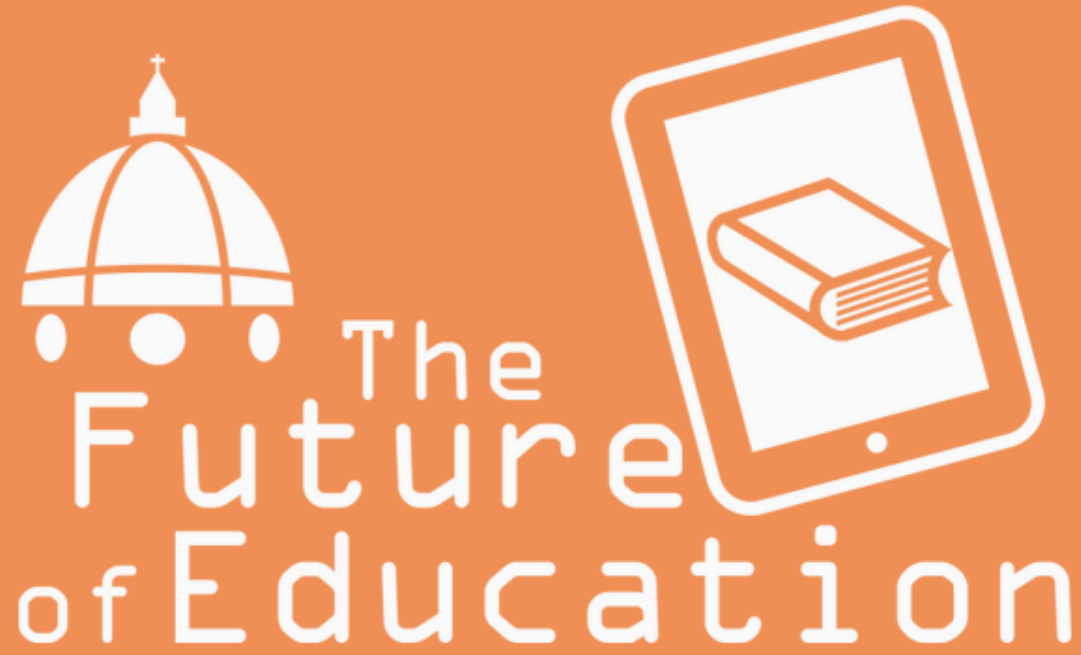


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Artificial Intelligence in Education: Perceptions and Uses of ChatGPT by Higher Education Teachers in Portugal

Florence

20, 21 June 2024

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Welcome to ChatGPT

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What is ChatGPT?

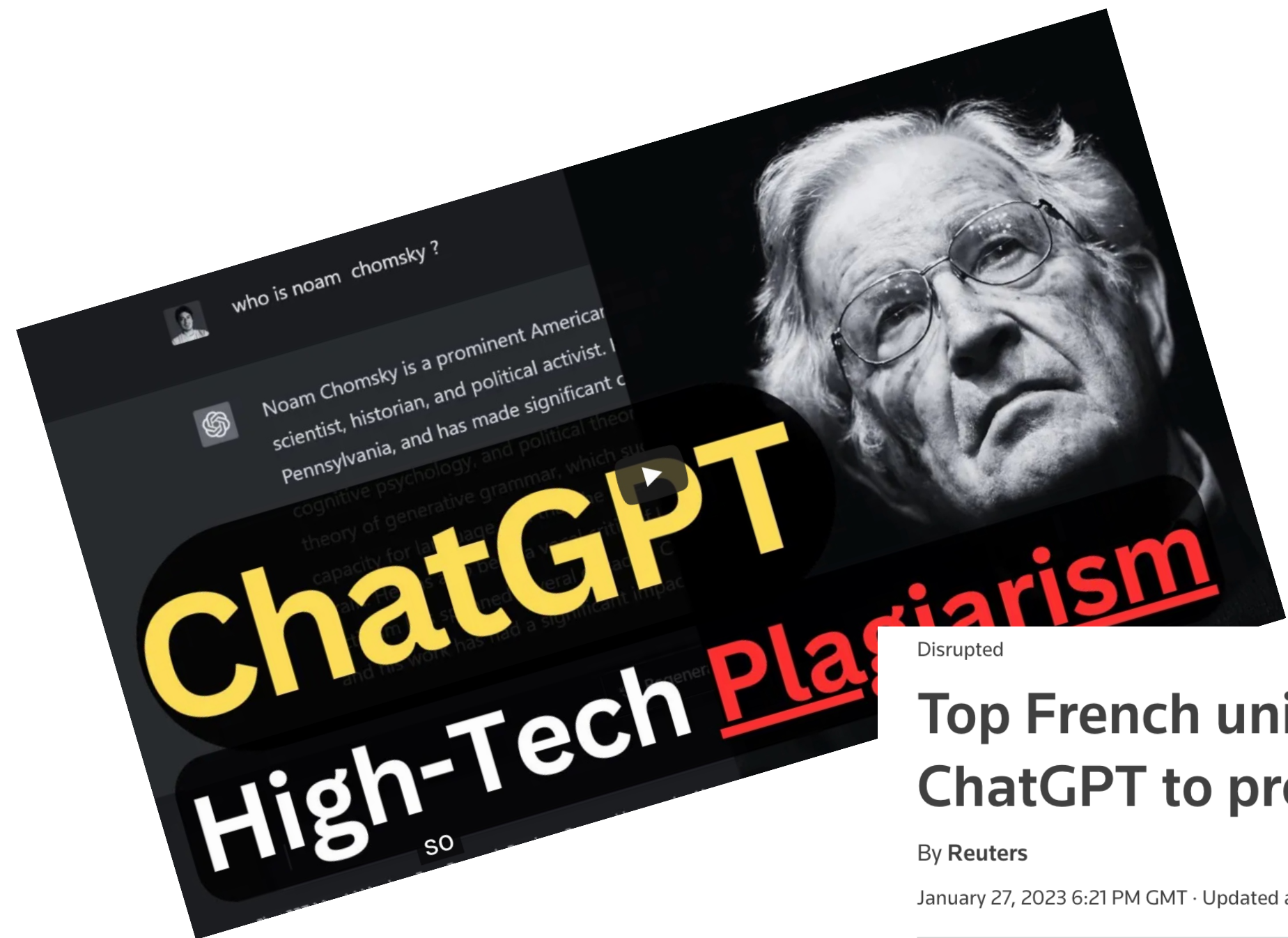


ChatGPT: Optimizing Language Models for Dialogue

We've trained a model called ChatGPT which interacts in a conversational way. The dialogue format makes it possible for ChatGPT to answer followup questions, admit its mistakes, challenge incorrect premises, and reject inappropriate requests. ChatGPT is a sibling model to InstructGPT, which is trained to follow an instruction in a prompt and provide a detailed response.

OpenAI, 30 novembre 2022

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novembro 2022

Disrupted

Top French university bans use of ChatGPT to prevent plagiarism

By Reuters

January 27, 2023 6:21 PM GMT · Updated a year ago



What is ChatGPT?



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Optimizing Models

1e

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bro 2022

ARTIFICIAL INTELLIGENCE

ChatGPT is going to change education, not destroy it

The narrative around cheating students doesn't tell the whole story. Meet the teachers who think generative AI could actually make learning better.

By Will Douglas Heaven

April 6, 2023



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"ask me anything" and "I may have a good answer" (Dwivedi et al, 2023)

What is ChatGPT



In the words of its creator...

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22th November

a **probabilistic system** powered by astronomical amounts of information, and which **doesn't understand any of the words** it writes during its conversation with humans



What is ChatGPT

simulator of natural language and, like any **statistical prediction model**, it is based on historical data input (learning data), the refinement of the model and therefore subject to errors and misunderstandings.

What is ChatGPT

It has a well-articulated, positivist style of language and comprehensive responses even when they were incorrect ... **And this is a problem....**

This lack of awareness of the hallucinations that these systems still possess means that the role of the educator is fundamental for the conscious and cautious use of these chatbots. The watchword will be **education, education ... education**

ChatGPT in higher education

Potentialities (Can do ...)	Challenges ...	Guidelines ...
Research support	Excessive dependence on the tool	Ensure use as a complement to, not a substitute for, study
Quick access to complex information	Risk of incorrect or outdated information	Cross-checking with reliable sources
Assistance in writing and proofreading texts	Plagiarism and lack of originality	Encouraging academic ethics and originality
Support for learning new concepts	Replacing critical thinking	Promoting the development of students' critical thinking
Immediate and personalised feedback	Lack of complete customisation according to individual needs	Combined use with teacher guidance
Development of programming and logic skills (case of computer science)	Technological barriers and lack of accessibility	Ensuring equal access and technological training
Improved efficiency in time management	Technological barriers and lack of accessibility	Define clear guidelines for use in academic activities

ChatGPT in higher education

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Teacher competence ...

Methodology: Semi-structured interviews

Public: Higher education teachers from a public institution (N=8)

Period: April 2024

Academic qualification: PhD (75%) and PhD students (25%)

Years of experience: 15 to 29 years

Scientific áreas: Maths, sociology, computer science, Portuguese language, pedagogy

what is the opinion of higher education teachers in Portugal on the use of AI in teaching?

ChatGPT is the first
word that comes to
mind when talking
about artificial
intelligence



75 per cent of the interviewees have used ChatGPT at some point in their teaching activities, either for administrative purposes or to help prepare lessons and activities.

Only one of the interviewees assumed that they had used ChatGPT as part of activities developed by the students in which they were obliged to use it



They were unanimous about how easy it was to use it

"it's very easy to use but very difficult to use well".

They are aware of the need for contextualisation and the importance of prompts to get the best results.



They consider it important to work with students on creativity and critical thinking,

They feel there is a need for greater clarification of the use of artificial intelligence in education on the part of leaders



It's necessary and urgent ...

Supporting teachers in designing activities that integrate AI and measuring this impact on student learning is urgent and fundamental.

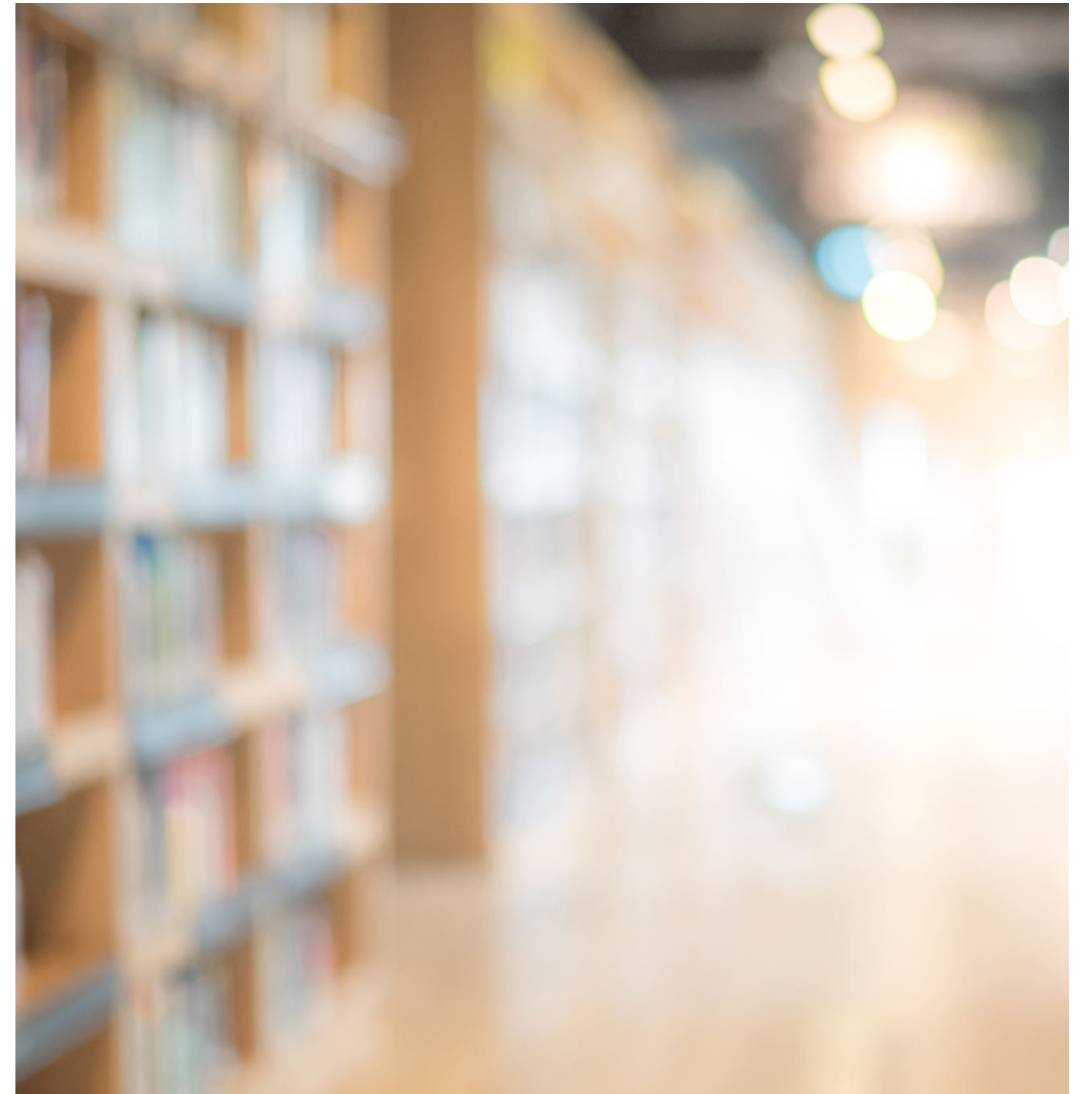


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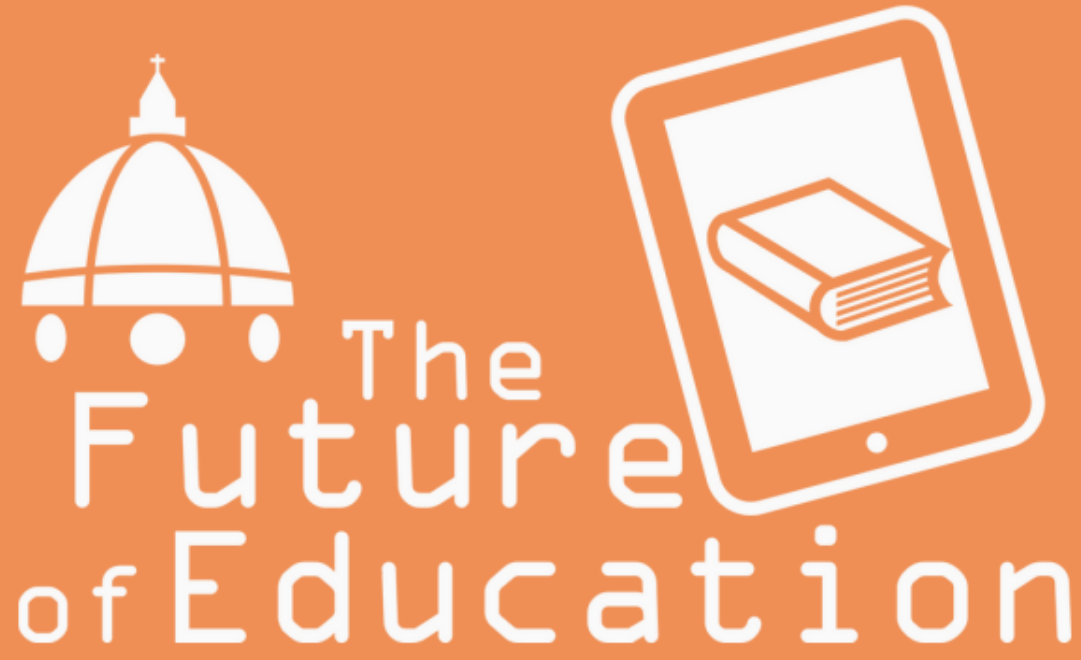
In the face of these generative artificial intelligence systems, the watchword is

Education, Education... Education

of teachers, students and society in general, with strong **leaders** involved in the process.



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Thank you!

Obrigado!

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