

Artificial Intelligence and Education.

An analysis from
Agnotology



Antonio Matas-Terron.
Malaga University

The team behind this speech



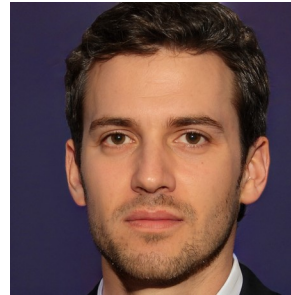
Rafael Fuentes
(Sociologist)



Ignacio Sánchez (Social Ed.)



Macarena García
(Pedagogue)



Jacinto Benavente
(Psychologist)

The ignorance

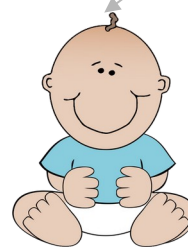
- Ignorance is a condition in which a person lacks knowledge or information.
- It can also be defined as the absence of insight, understanding or education.
- Ignorance can be voluntary or involuntary.



Kinds of ignorance

The ignorance of a person cannot be measured, but the different forms of ignorance can be classified. Ignorance can be active or passive, and it can be voluntary or involuntary. **Active ignorance is when a person decides not to learn about a topic,** while passive ignorance is when a person does not have the opportunity to learn about a topic. **Involuntary ignorance is when a person does not have access to the information necessary to learn about a topic.**

types of ignorance



Innate or native



Constructed,
induced, acquired.

Agnotology

Agnotology is the study of ignorance, especially **willful or deliberate ignorance**.

Agnotology is concerned with understanding how and why people are ignorant and how that ignorance is used for social, political, or economic ends.



Robert N. Proctor and Lain Boal coined this term in 1992 to refer to the study of ignorance. In the picture: R. N. Proctor.

Artificial intelligence and agnotology

Artificial intelligence can be useful for agnotology in the sense that it can help analyze and better understand ignorance. Artificial intelligence systems can process and analyze large amounts of data more efficiently than humans, thus **helping to detect hidden patterns and better understand the mechanisms underlying ignorance.**

Artificial intelligence is a threat to agnotology, as it can reduce people's ability to understand the world around them. Agnotology is the study of ignorance, especially willful ignorance, and artificial intelligence can reduce people's ability to understand the world around them. **Artificial intelligence can generate knowledge from data, but it can also hide or distort knowledge.**

Artificial intelligence and agnotology

Examples of inappropriate use:

- Votes manipulation (several countries).
- Cambridge Analytics.

In the 2010s, the British consulting firm Cambridge Analytica collected data from millions of Facebook users without their consent, mainly to use it for political **propaganda** (Source wikipedia: https://es.wikipedia.org/wiki/Esc%C3%A1ndalo_Facebook-Cambridge_Analytica)



Artificial intelligence and agnotology

Examples of inappropriate use:

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- cambridge analytics.
- Brexit.

In June 2016, the referendum was held in the United Kingdom to leave the country from the European Union.



Artificial intelligence and agnotology

Examples of inappropriate use:

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- cambridge analytics.
- Brexit.
- Climate change.

<<Misinformation about climate change: hoaxes, 'fake news' and myths to demolish>>

(<https://www.bbva.com/es/sustainability/misinformation-about-climatic-change-hoaxes-fake-news-and-myths-to-demolish/>)



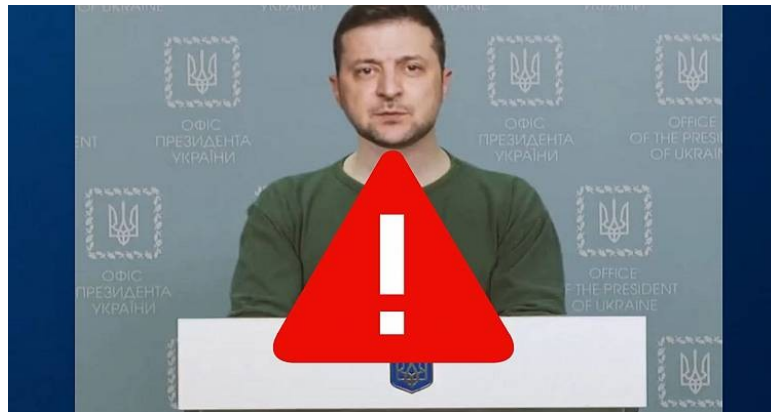
Artificial intelligence and agnotology

Examples of inappropriate use:

- Voter manipulation (several countries).
- cambridge analytics.
- Brexit.
- Climate change.
- Russian invasion of Ukraine.
- ...

THE CUBE | "Deepfake" videos as a weapon of disinformation in the Russian invasion of Ukraine.

(<https://es.euronews.com/2022/03/16/the-cube-deepfake-videos-as-a-weapon-of-disinformation-in-the-russian-invasion-of-ukraine>)



Artificial intelligence and agnotology

Usage examples for "fight" against post-truth:

- Fact-checking companies (information verifiers).



<https://reporterslab.org/fact-checking/>

Artificial intelligence and agnotology

Usage examples for "fight" against post-truth:

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- Non-profit organizations.

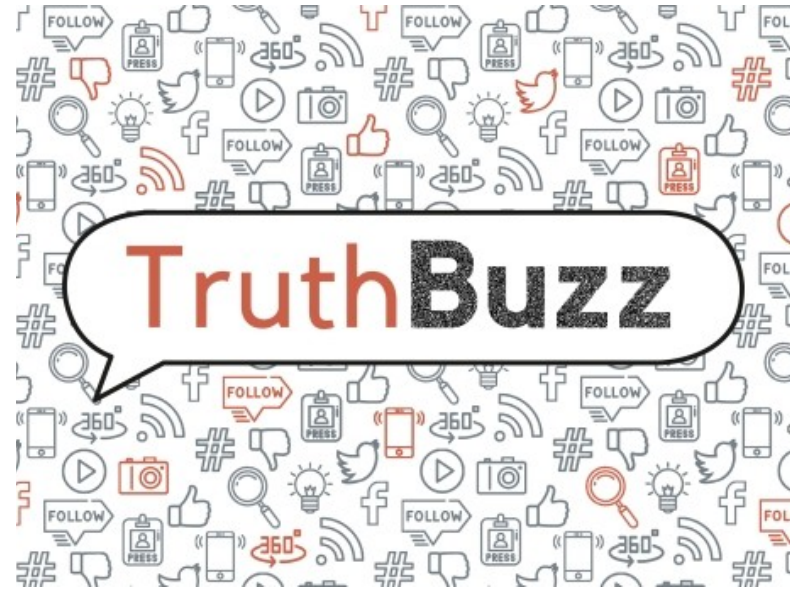


<https://firstdraftnews.org/>

Artificial intelligence and agnotology

Usage examples for "fight" against post-truth:

- Fact-checking companies (information verifiers).
- Non-profit organizations.
- Softwares: bots and search engines.



<https://www.icfj.org/our-work/truthbuzz-fellowship-fact-checking-makes-truth-go-viral>

Agnotology and education

Agnotology and education have a close relationship, since **education is the main instrument to overcome ignorance** . Education must facilitate access to information and knowledge, so that all people can make informed decisions in all areas of their lives.

Agnotology can be applied to education in various ways. First, **it can help identify and understand the causes of ignorance** and illiteracy. Second, it can **help design and implement strategies** to overcome ignorance and illiteracy. Third, **it can help assess the impact of education in reducing ignorance** and illiteracy.

Students—> native ignorance (ignorant natives) —> maturation in values provided by the environment.

Teachers—> training in how to transmit values + humanistic training.

Family—> Development and transmission of values through example.

Educational system—> Stop being ideological and politicized + focus on evidence (not occurrences) + provide the necessary support.

Conclusions

- The use of Artificial Intelligence in society is a reflection of the values of society itself.
- Constructed ignorance threatens the integrity of society itself (starting with the stability of the individual).
- The solution is Education (comprehensive training from the critical function).
- Agnotology should be developed as a resource that evaluates (monitors and generates recommendations) the use of AI in Education.

Stopping progress is nonsense, but preventing its impact is a social mandate.

(From the Cotec report, 2022 yearbook).

Disclaimer

Excuse me for being bold, but during this exhibition:

- **The team that I presented to you at the beginning does not exist.** All **photos** have been generated by **artificial intelligence** *.
- All **the contents framed with blue borders have been written by Artificial Intelligence** I**. None of the content is false, but it has not been written by any human being.
- In any case, **ALL THE CONTENT EXPOSED IN THIS PRESENTATION IS TRUE** (as far as the scientific method can corroborate and the ignorance of a server allows).
- All PPT has been translate into English by a IA software.



- <https://thispersondoesnotexist.com/>
- <https://beta.openai.com/playground>



Antonio Matas Terrón

amatas@uma.es

Artificial Intelligence and
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