

Mixed Mythologies: Duality, Change and the Role of Al in Education

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These slides:



"For this invention will produce forgetfulness in the minds of those who learn to use it, because they will not practice their memory." "For this invention will produce forgetfulness in the minds of those who learn to use it, because they will not practice their memory."

- Socrates - attributed by Plato, Phaedrus, 370BCE





Socrates

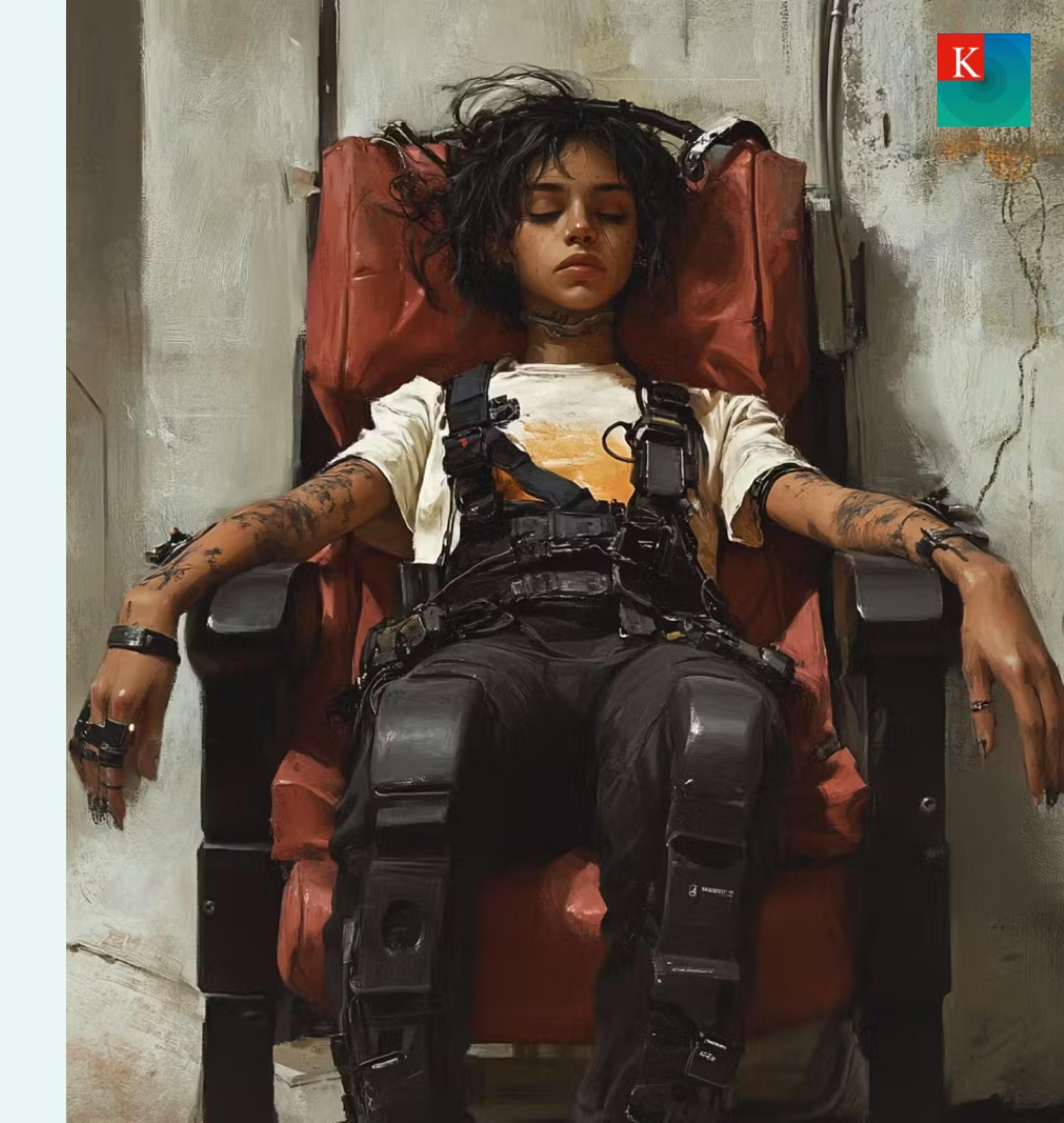
"All I know is that I know nothing"

Will technology make us stupid?

In the year 5555

Your arms hangin' limp at your sides
Your legs got nothin' to do
Some machine's doin' that for you

- Rick Evans, In the year 2525 (Exordium & Terminus), 1969





PAST

FUTURE



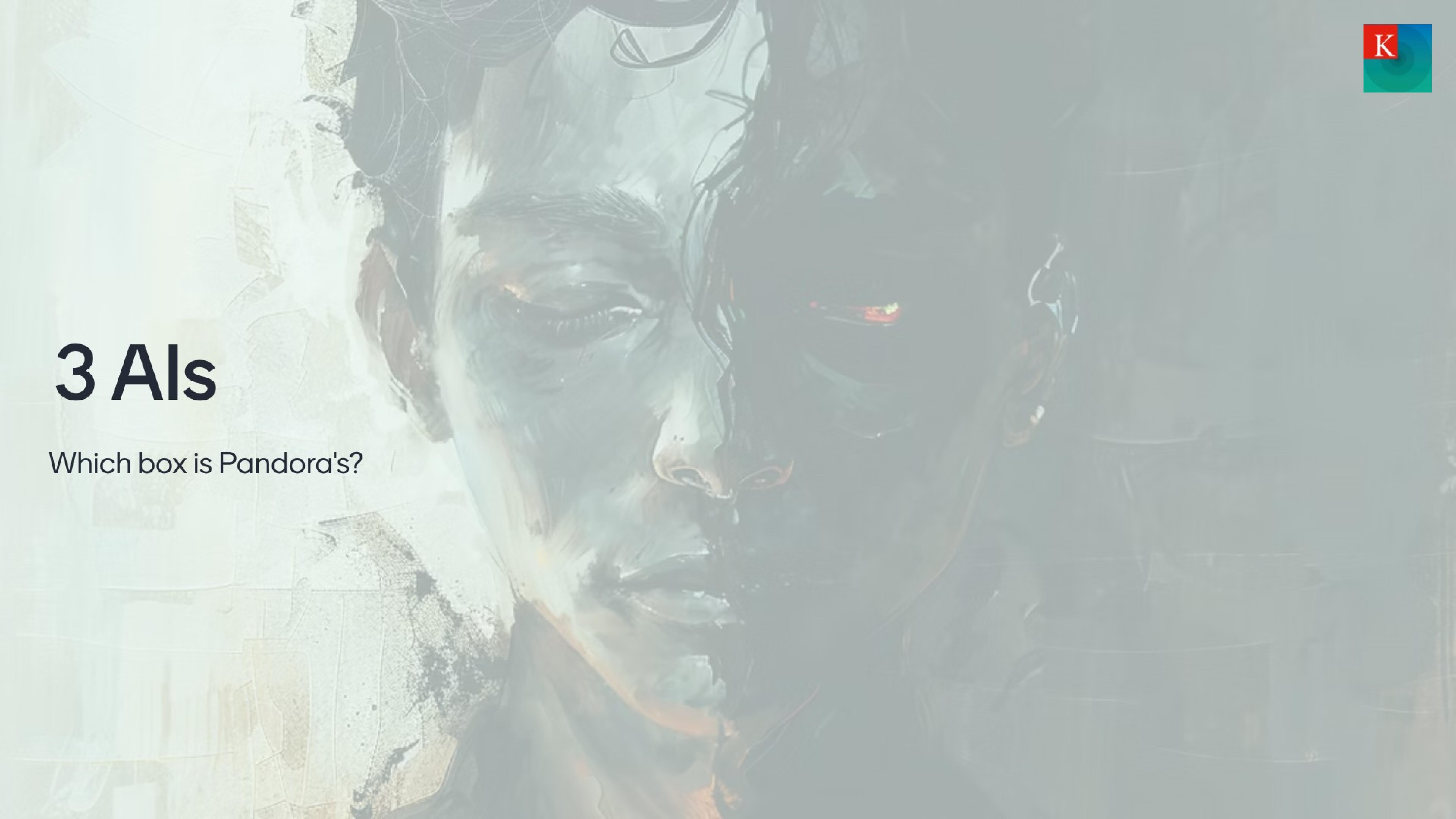
TRANSITIONS

DUALITY

CPEATION

AMBIGUITY

DISSONANCE







Al 1 - Artifical Intelligence





Al 2 - Academic Integrity





Al 3 - Assessment Innovation

...UK universities face a choice: either embrace* Al as an integral component of academic pursuit or to risk obsolescence in a world where digital copilots could become as ubiquitous as textbooks - Yike Guo (2024)

- * I say 'Engage' (hold off the hugs for now)



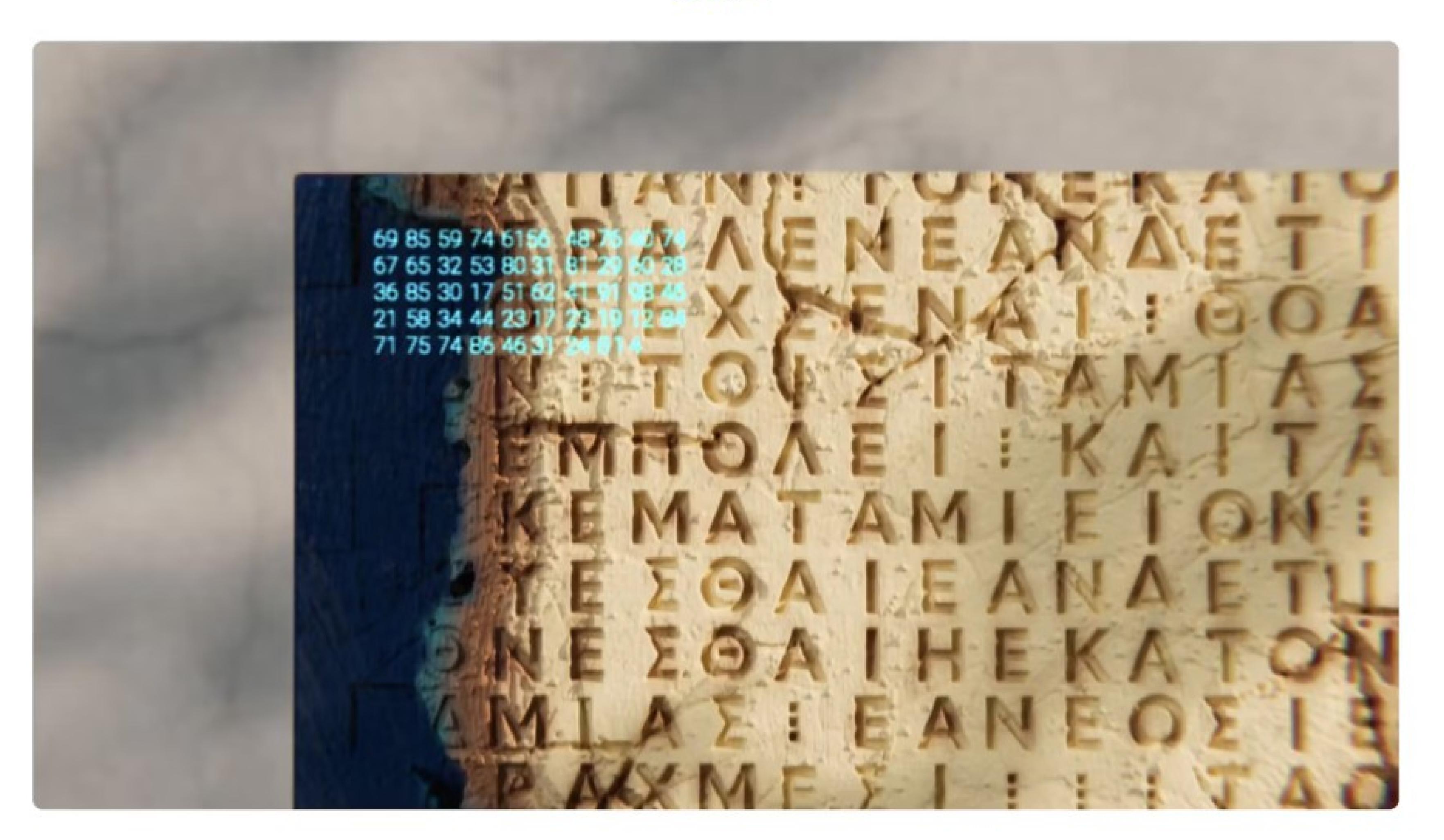
RESEARCH

Predicting the past with Ithaca

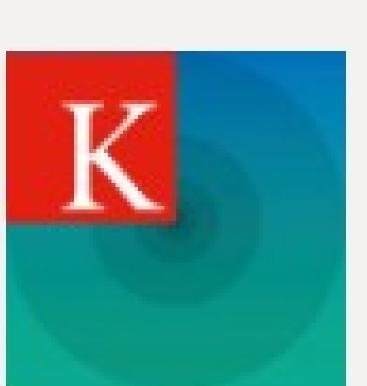
9 MARCH 2022

Yannis Assael, Thea Sommerschield *, Brendan Shillingford, Nando de Freitas (*external authors)

Share



'this isn't how we do history!'



Pace of change

Hermes and Athena

Terrible (?) songs

Customisable GPTs and Al agents

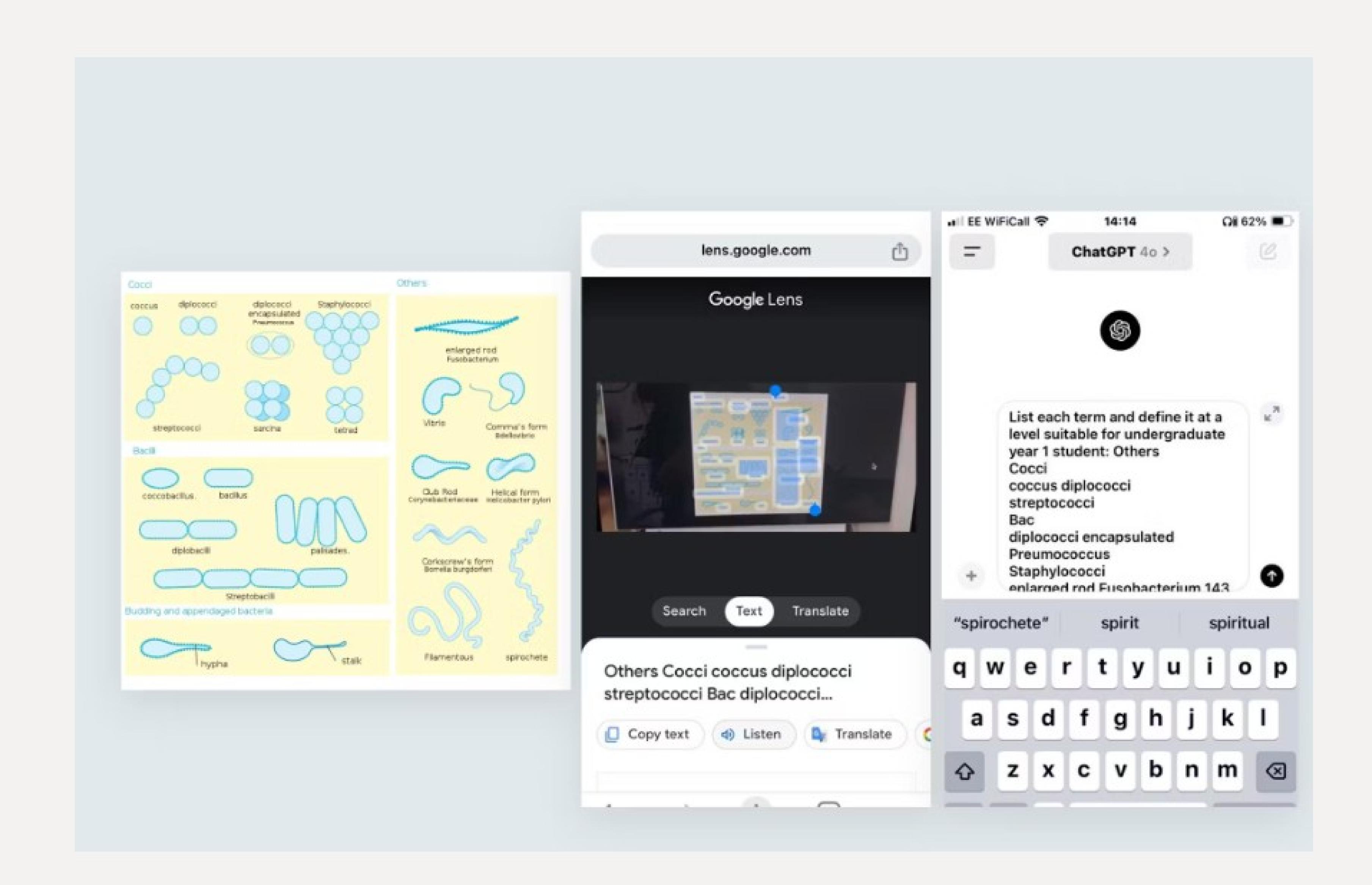
Character bot for simulated exchanges

Changing the way students (and we) sort, sift, synthesise and reformat

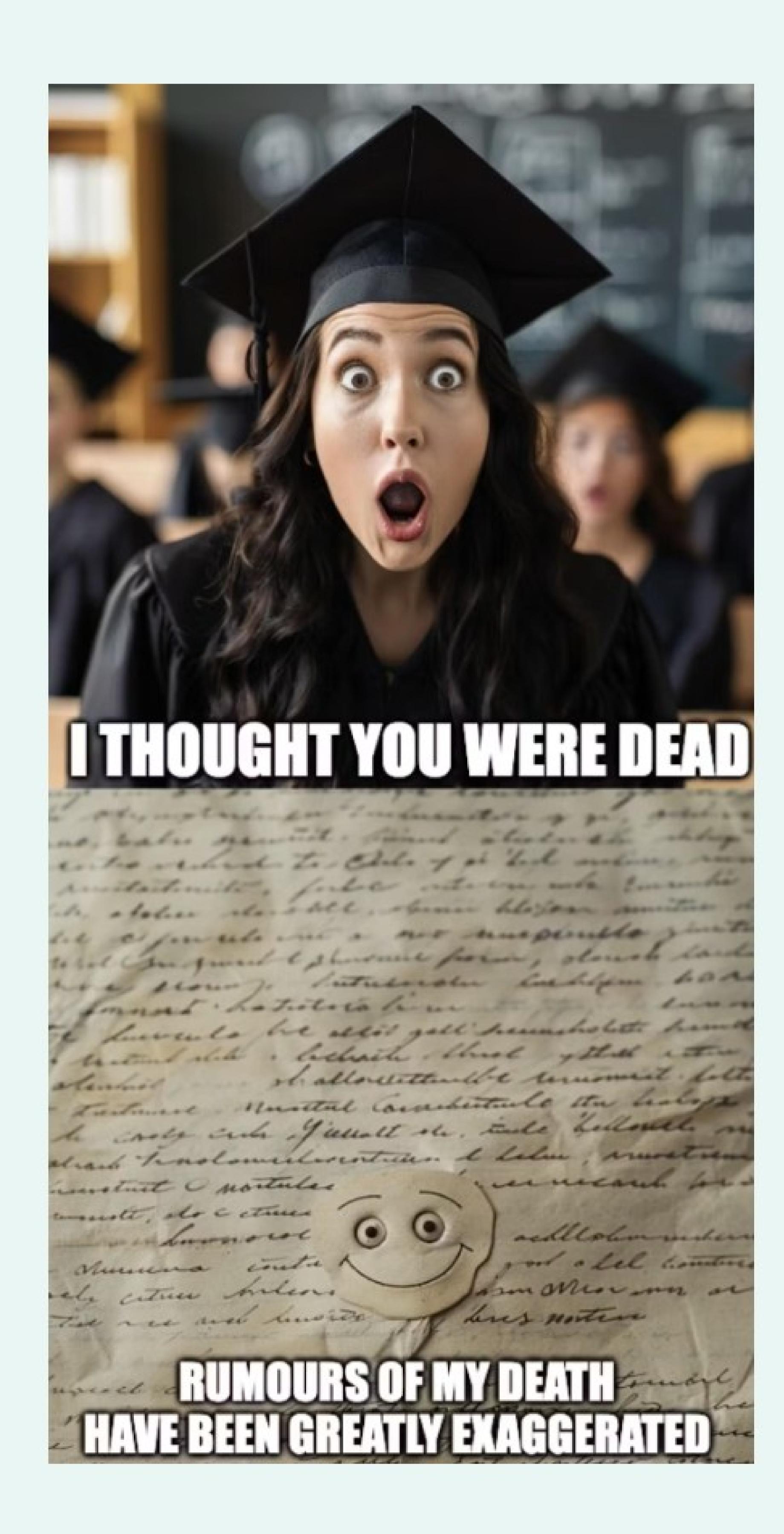
Personal Avatars

Research / data analysis workflows - link not public

advanced audio in chatgpt







The essay is not dead

but teaching and assessment will have to change...





What do we want students to know, be, do?

How well do existing teaching practices and assessments develop and measure ACROSS those things?



Big questions

How much are iscurrent teaching and assessment weighted towards writing?

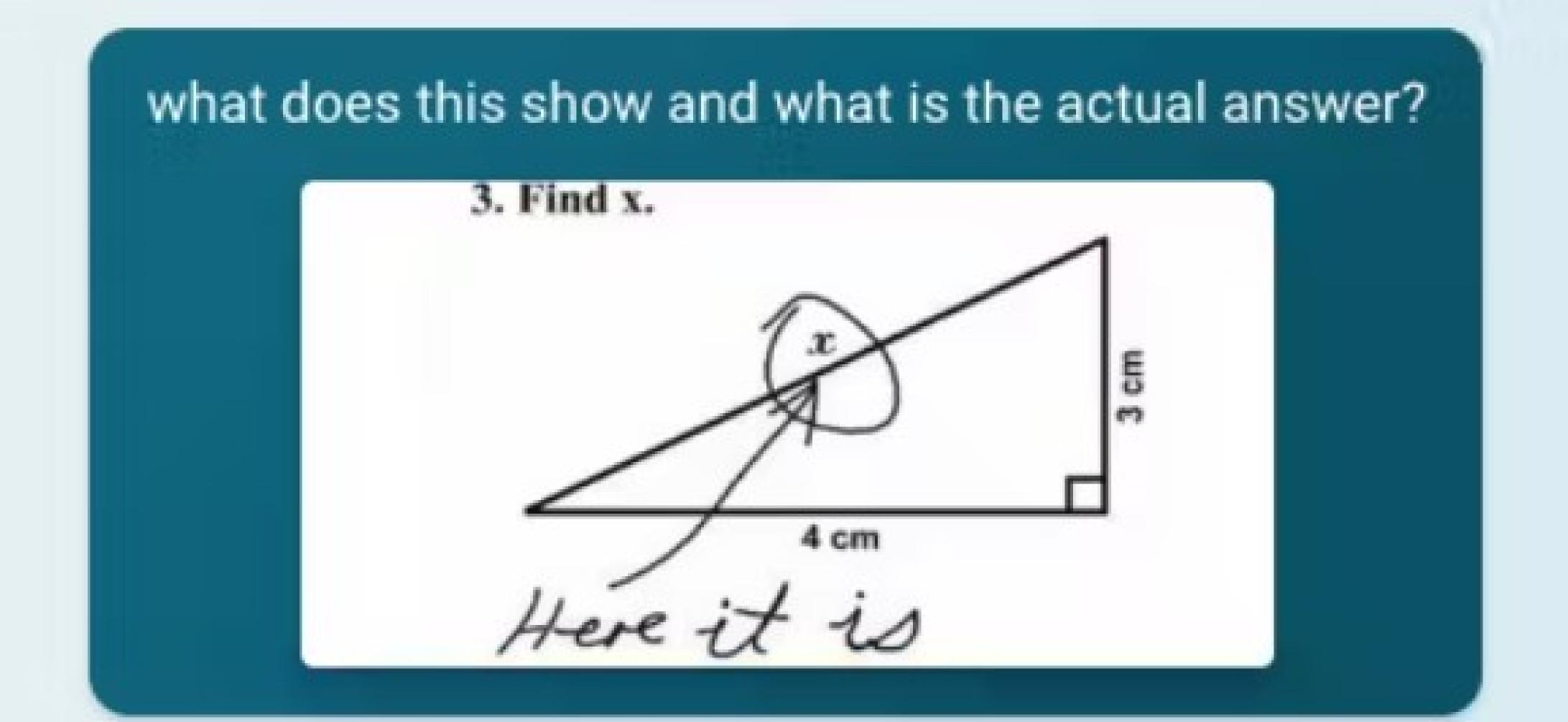


Big questions



How much are our assessments driven by reliability and perceptions of trust (& compared with authenticity and validity)?





Analyzing the image: Privacy blur hides faces from Bing chat

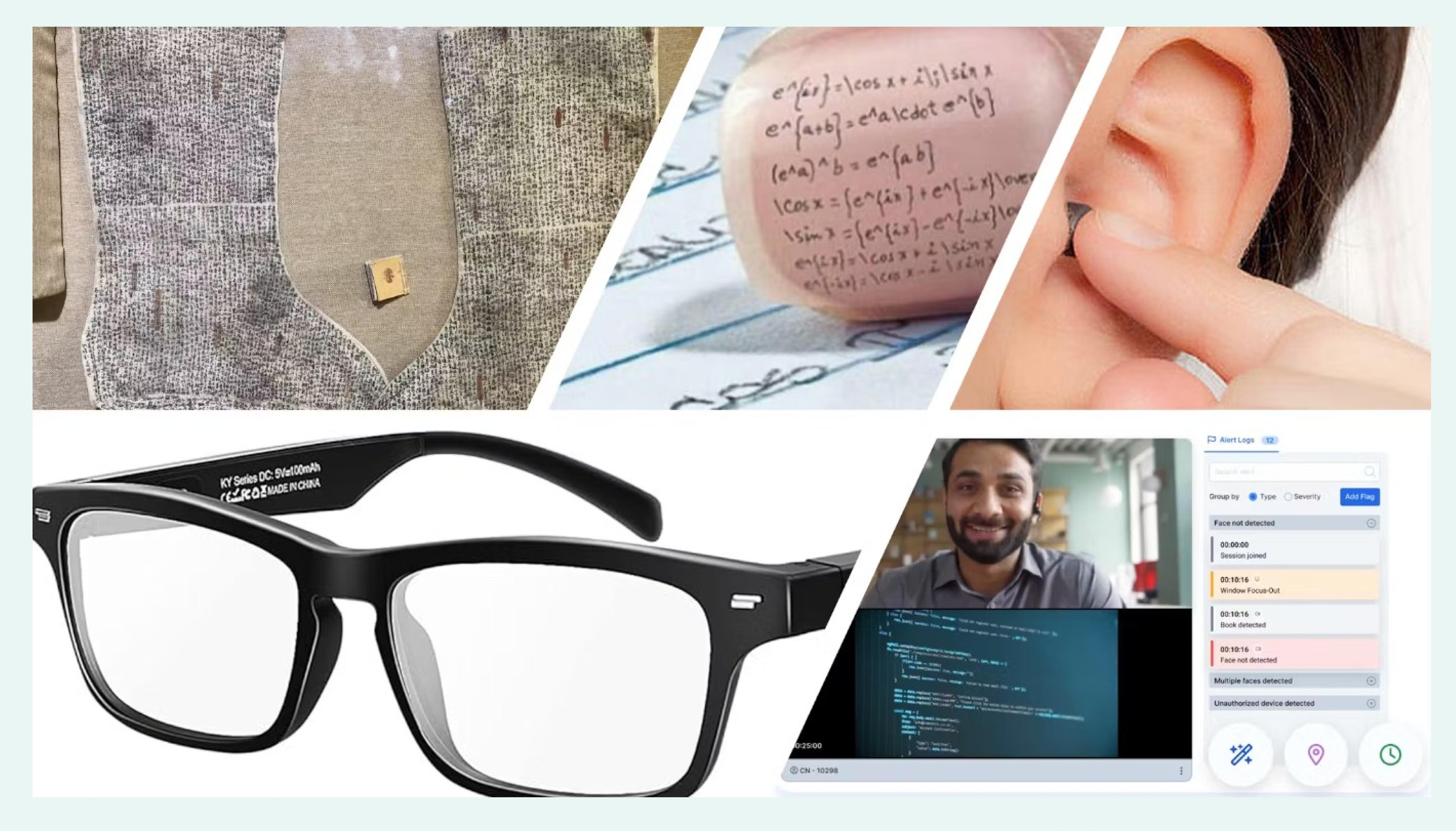
This is a black and white image of a math problem. The problem is to find the value of x in a right triangle. The triangle has a base of 4 cm and a height of 3 cm. The value of x is humorously marked with a circle and an arrow pointing to it, with the text "Here it is" written below the triangle. The image is a meme poking fun at math problems.

The actual answer to the problem can be found using the Pythagorean theorem, which states that in a right triangle, the square of the length of the hypotenuse (the side opposite the right angle) is equal to the sum of the squares of the lengths of the other two sides. In this case, x represents the length of the hypotenuse, so we can solve for x using the equation $x^2 = 4^2 + 3^2$. Solving this equation gives us x = 5, so the length of the hypotenuse is 5 cm.

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Al proof assessments?





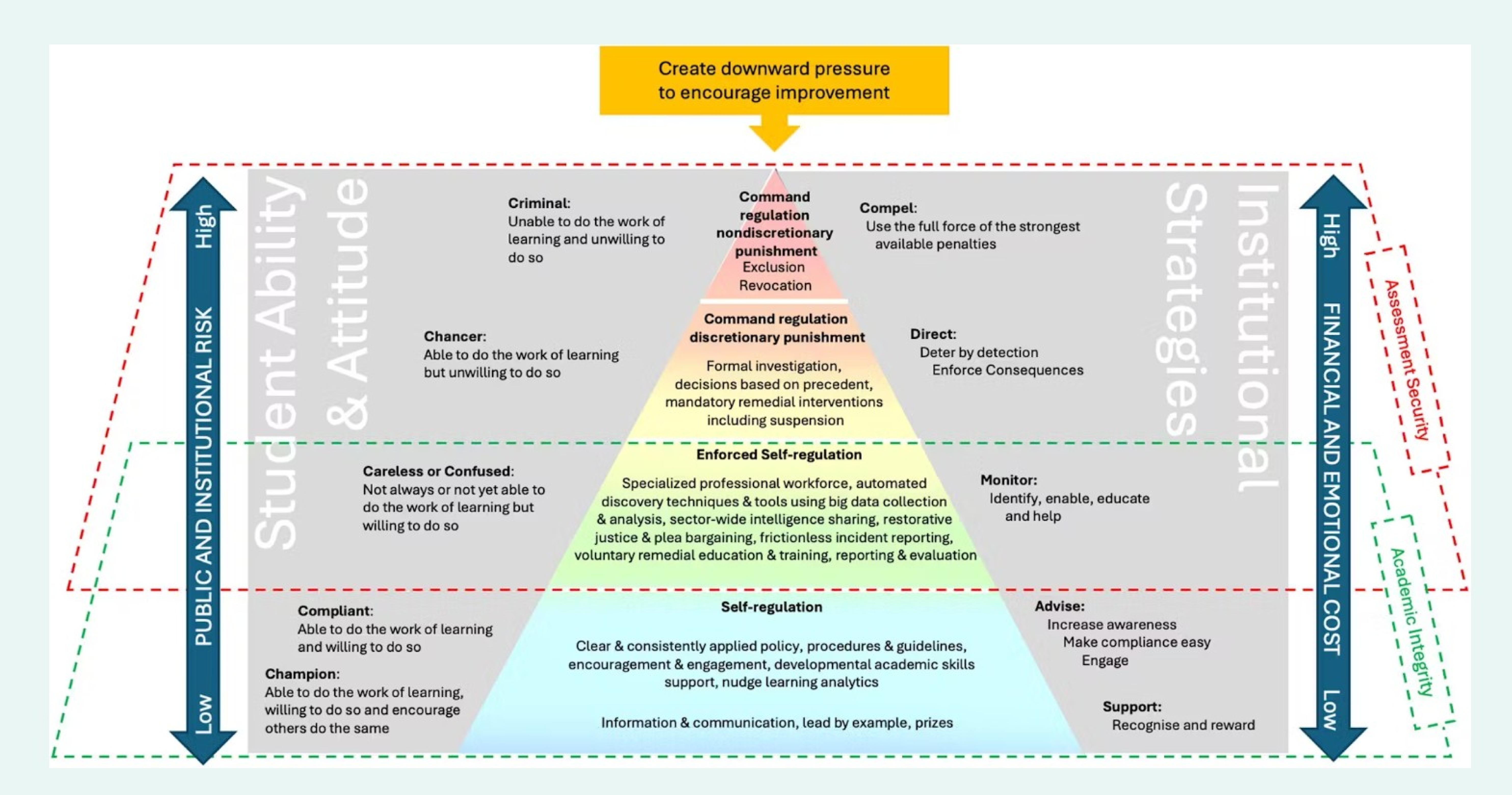
Exams as panacea?

Detect Al use?

The results demonstrate that the detectors' already low accuracy rates (39.5%) show major reductions in accuracy (17.4%) when faced with manipulated content, with some techniques proving more effective than others in evading detection.

- Perkins et al (March 2024)

97%



Ellis and Murdoch (2024) tiny.cc/b3azzz

6 Tenets of Postplagiarism: Writing in the Age of Artificial Intelligence



Sarah Elaine Eaton

In Plagiarism in Higher Education: Tackling Tough Topics in Academic Integrity (2021) I introduced the idea of life in a postplagiarism world. Here, I expand on those ideas.

Hybrid Human-Al Writing Will Become Normal

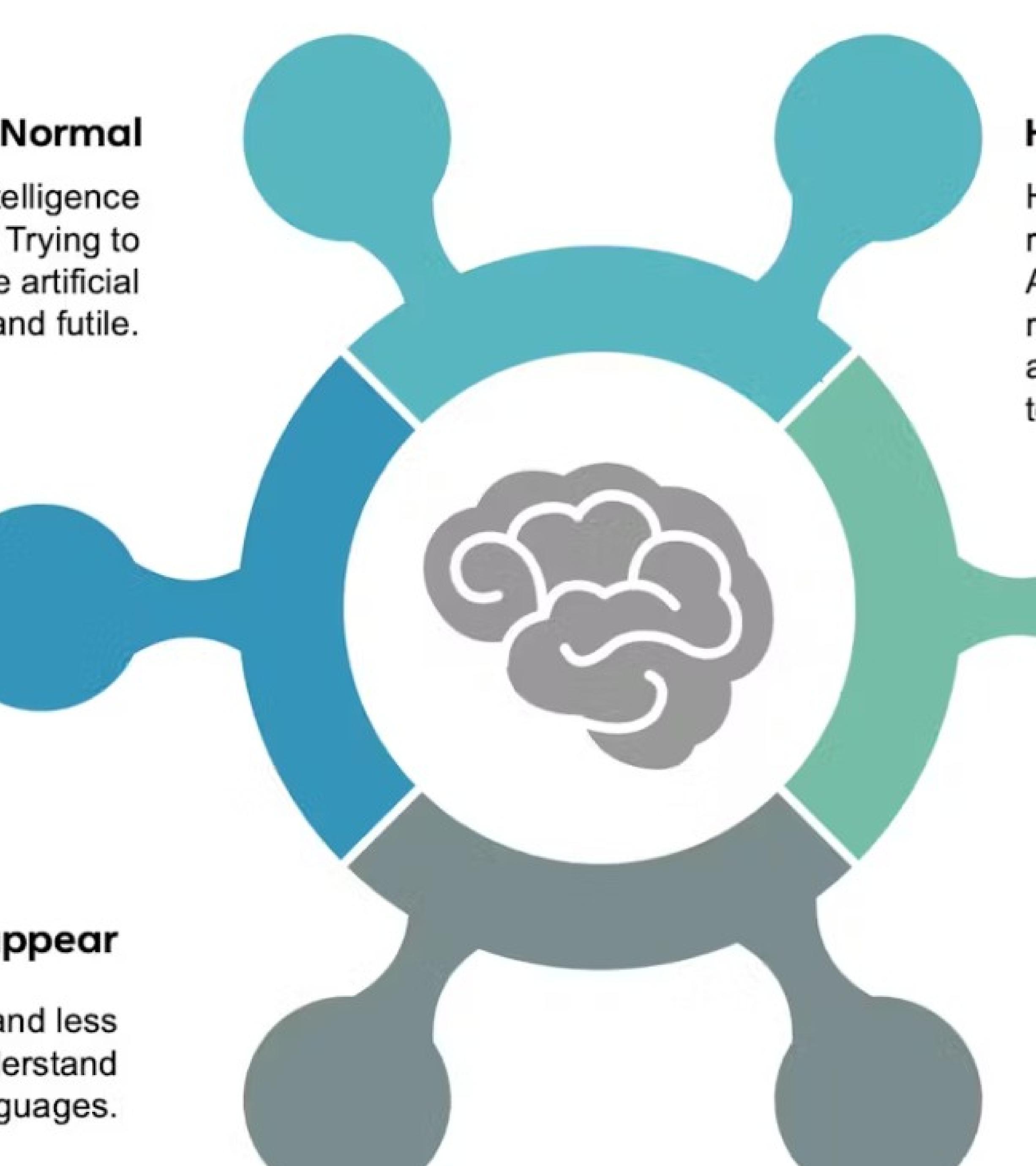
Hybrid writing, co-created by human and artificial intelligence together is becoming prevalent. Soon it will be the norm. Trying to determine where the human ends and where the artificial intelligence begins is pointless and futile.

Human Creativity is Enhanced

Human creativity is enhanced, not threatened by artificial intelligence. Humans can be inspired and inspire others. Humans may even be inspired by artificial intelligence, but our ability to imagine, inspire, and create remains boundless and inexhaustible.

Language Barriers Disappear

One's first language will begin to matter less and less as tools become available for humans to understand each other in countless languages.



Humans can Relinquish Control, but not Responsibility

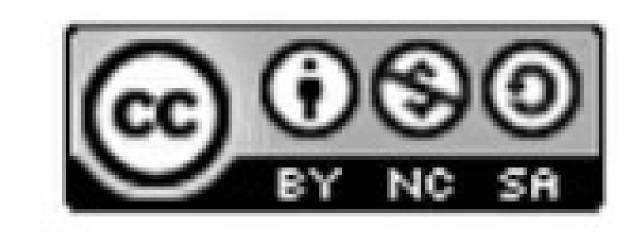
Humans can retain control over what they write, but they can also relinquish control to artificial intelligence tools if they choose. Although humans can relinquish control, they do not relinquish responsibility for what is written. Humans can – and must – remain accountable for fact-checking, verification procedures, and truthtelling. Humans are also responsible for how Al-tools are developed.

Attribution Remains Important

It always has been, and always will be, appropriate and desirable to appreciate, admire, and respect our teachers, mentors, and guides. Humans learn in community with one another, even when they are learning alone. Citing, referencing, and attribution remain important skills.

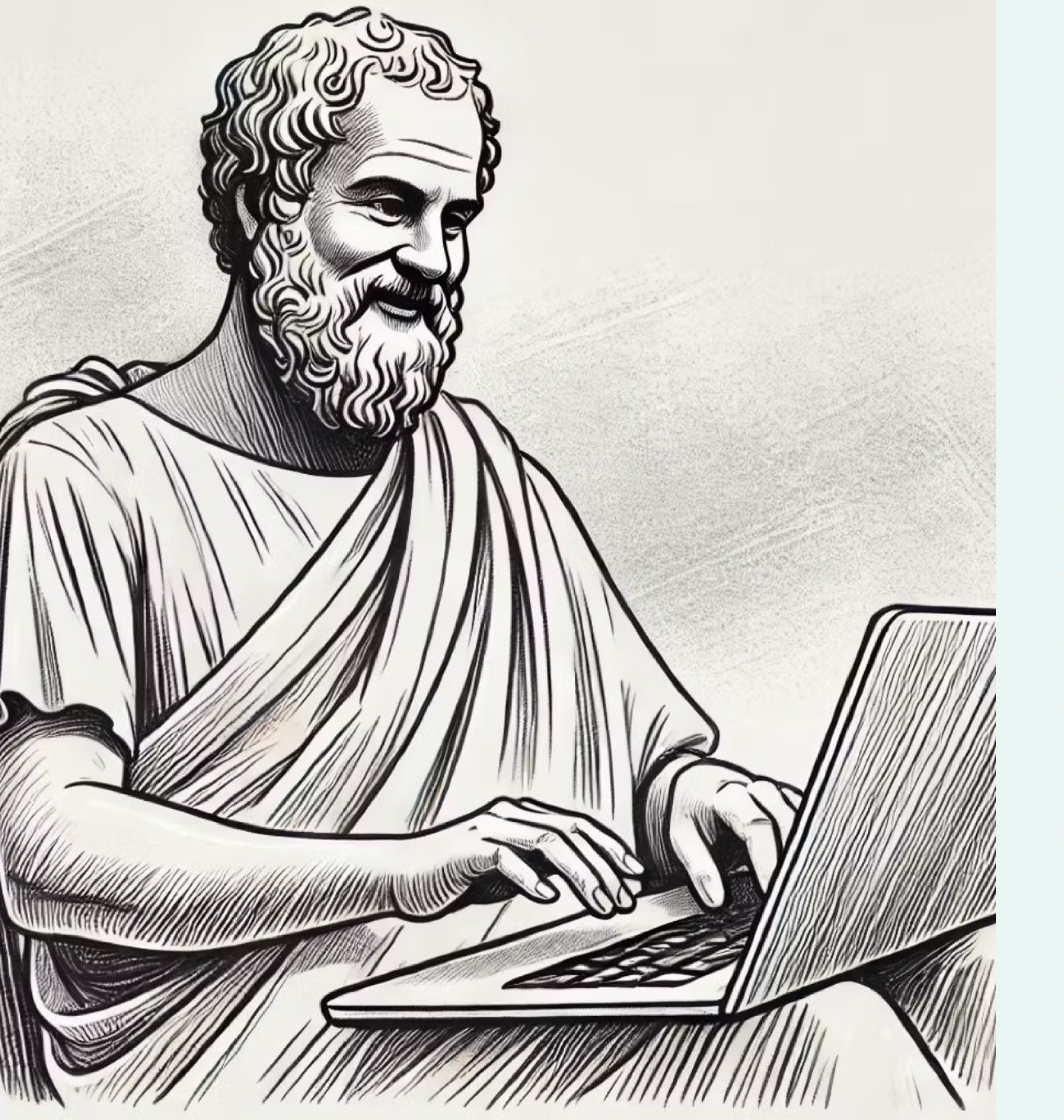
Historical Definitions of Plagiarism No Longer Apply

Historical definitions of plagiarism will not be rewritten because of artificial intelligence; they will be *transcended*. Policy definitions can – and must – adapt.



Assidere Discutere Examinere





AI = Assessment innovation

- accept and reflect on perennial issues & norms
- audit assessment : purpose? validity?
- build bridges, not walls and guard towers
- → Process focussed & iterative
- compassionate, dialogic, interactive, authentic, purposeful, holistically coherent
- Challenge/ overturn conventions: anonymity? definitions of writing/ plagiarism

It has no power of adaptation, but uses the same words for all. It is not a legitimate son of knowledge, but a bastard, and when an attack is made upon this bastard neither parent nor anyone else is there to defend it

– Socrates - attributed by Plato, Phaedrus, 370BCE

Other resources

- → Assessment advice at King's
- → Advice to students at King's
- → JISC assessment menu
- → These slides: tiny.cc/trinityAl
- → KCL course!

