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AI3: Crossing the streams* of artificial intelligence, academic integrity and assessment innovation

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*caveats: copyright, mangled metaphors and word use





context

"The important thing to remember is that you must never under any circumstances, cross the streams."

– Egon Spengler, Ghostbuster (1984) on proton pack safety





AI 1 - Artificial Intelligence



AI 2 - Academic Integrity



AI 3 - Assessment Innovation



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

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



WILL TECHNOLOGY MAKE US STUPID?

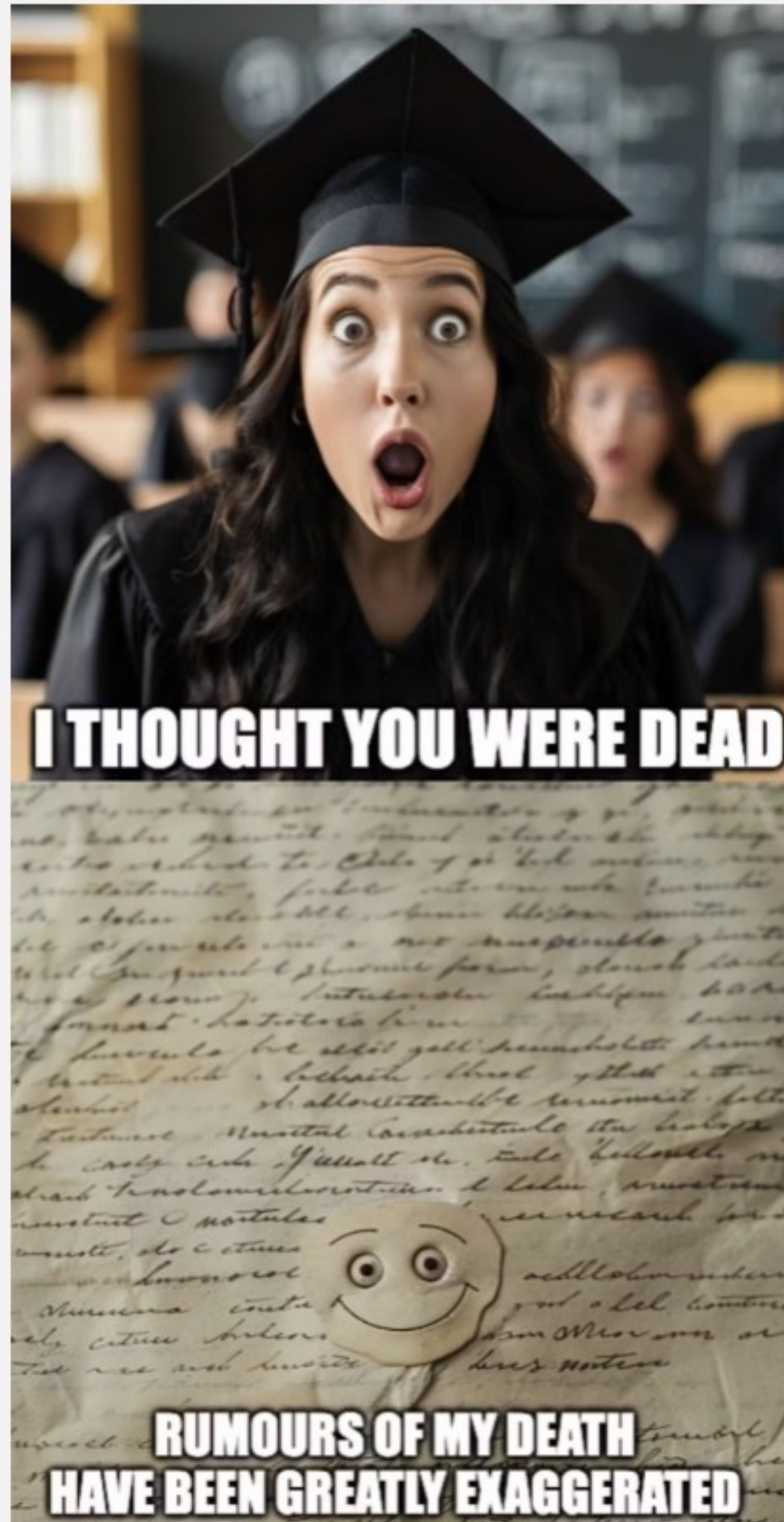
In the year 5555

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



assessment now



The essay is not dead

but...



BIG QUESTIONS

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

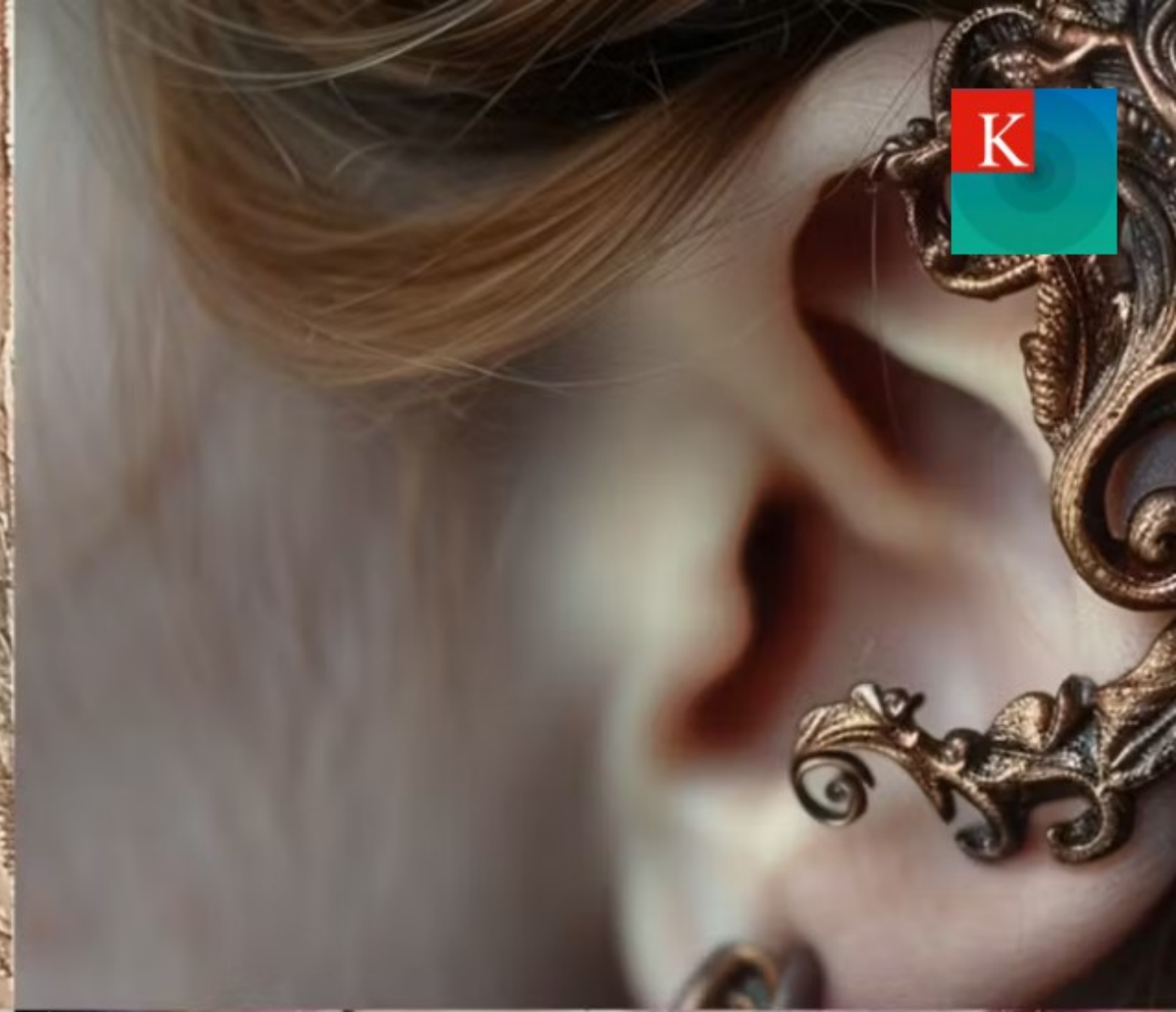
BIG QUESTIONS

How well do existing assessments measure ACROSS those things?



BIG QUESTIONS

**How much
are our
current
assessments
weighted
towards
writing?**





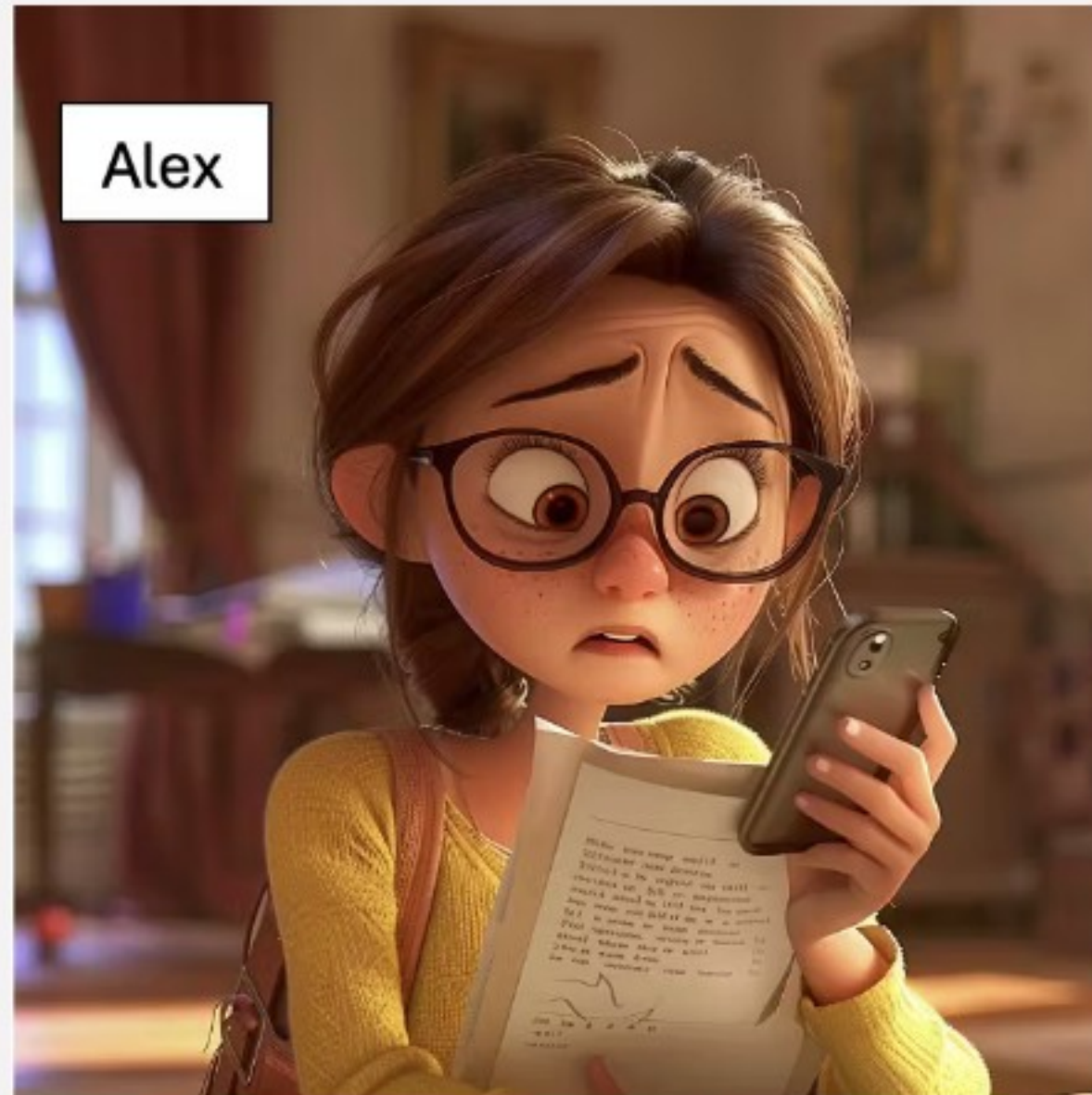
BIG QUESTIONS

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



academic integrity

cheating or not?



0

Both cheats

0

Neither cheats

0

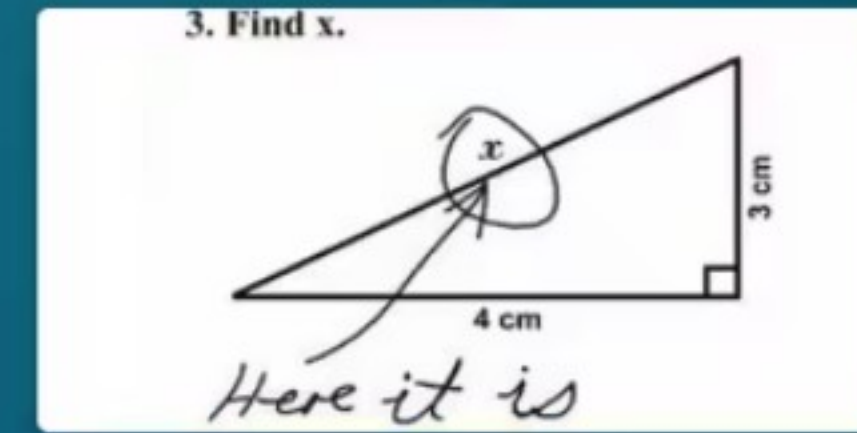
Only Alex cheated

0

Only Blair cheated



what does this show and what is the actual answer?



✓ 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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AI proof assessments?



Exams as panacea?

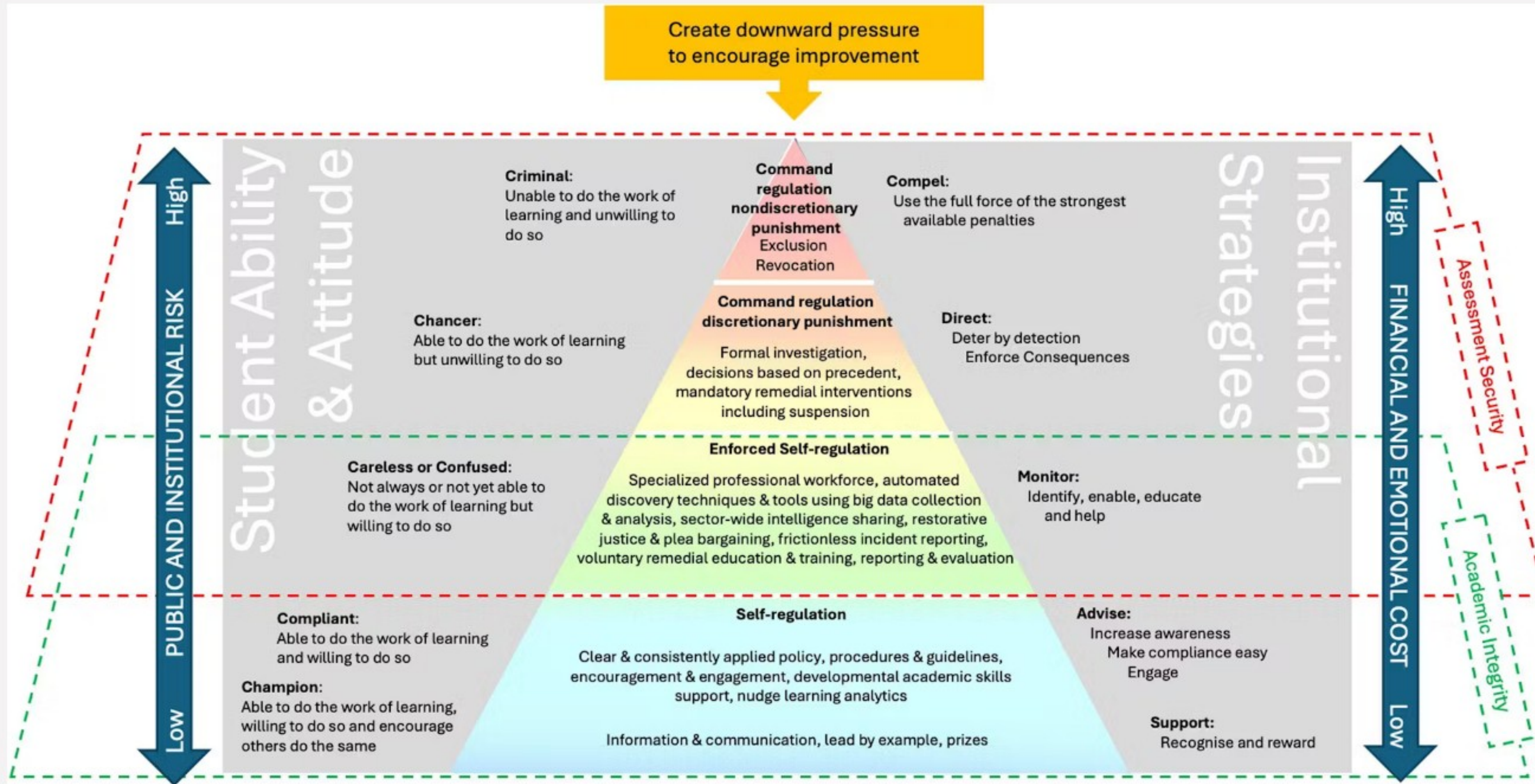


DETECT AI USE?

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 \(March 2024\)](#)

95%



Ellis and Murdoch (2024)

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-AI Writing Will Become Normal

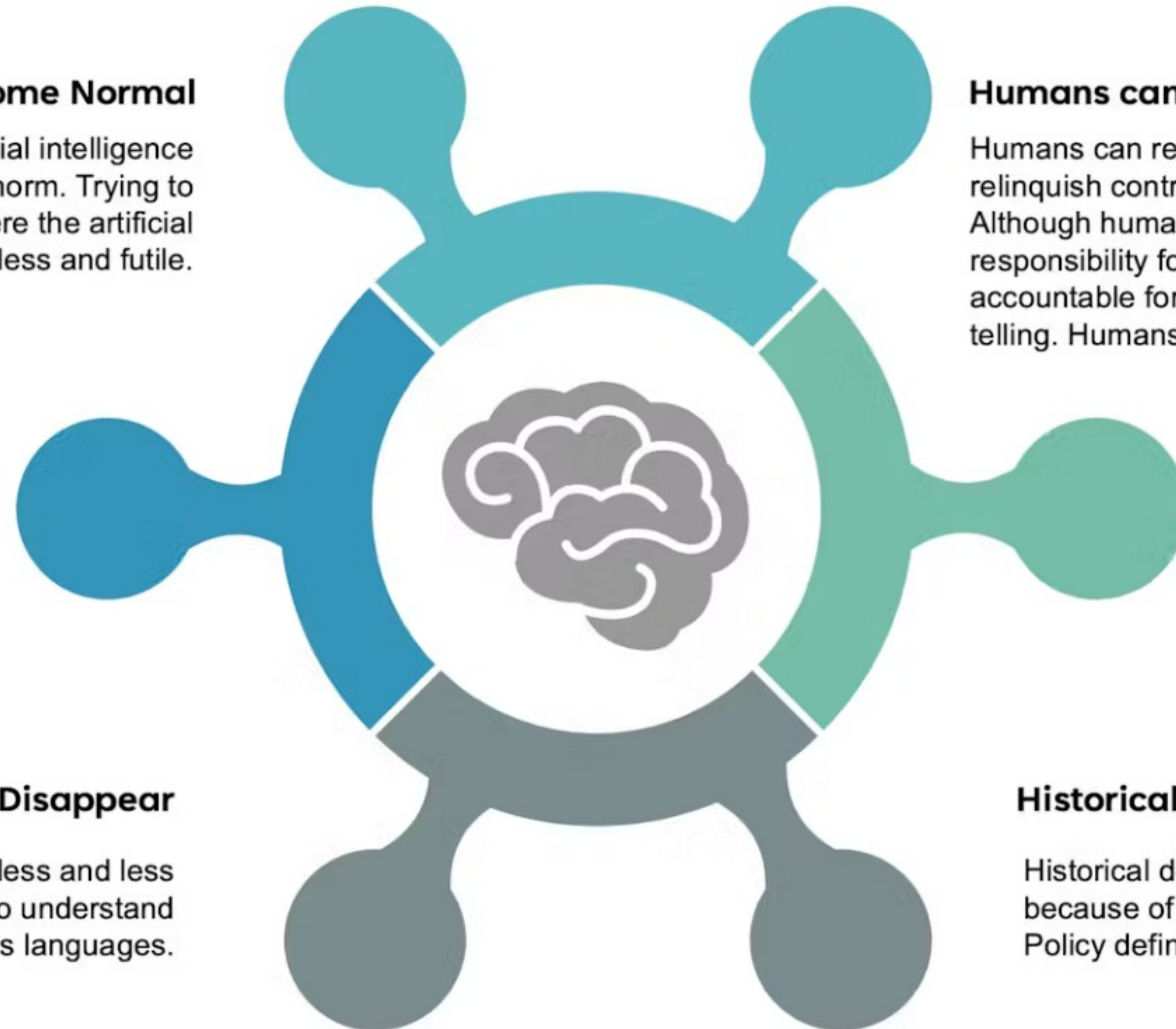
Hybrid writing, co-created by human and artificial intelligence together is becoming prevalent. Soon it will be the norm. Trying to determine where the human ends and where the artificial intelligence begins is pointless and futile.

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 truth-telling. Humans are also responsible for how AI-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.

AI = Assessment innovation

- Assessment as teaching: 'assidere'
- Dialogue/ debate/ engage (students too)
- accept and reflect on perennial issues & norms
- audit assessment diets in terms of purposes
- work towards building bridges, not walls and guard towers
- Process focussed & iterative
- dialogic, interactive, authentic, purposeful, holistically coherent



OTHER RESOURCES

- [Exams?](#)
- [Assessment advice at King's](#)
- [Advice to students at King's](#)
- [Using a rubric to generate boilerplate feedback- 7 mins](#)
- [Marieke Guy's assessment and AI resources](#)
- [JISC assessment menu](#)
- These slides: tiny.cc/medwayai

