

# You Can Call me AI

Dr. Charles Knight – Senior Consultant (I for one welcome our new AI Overlords)

 @charlesknight



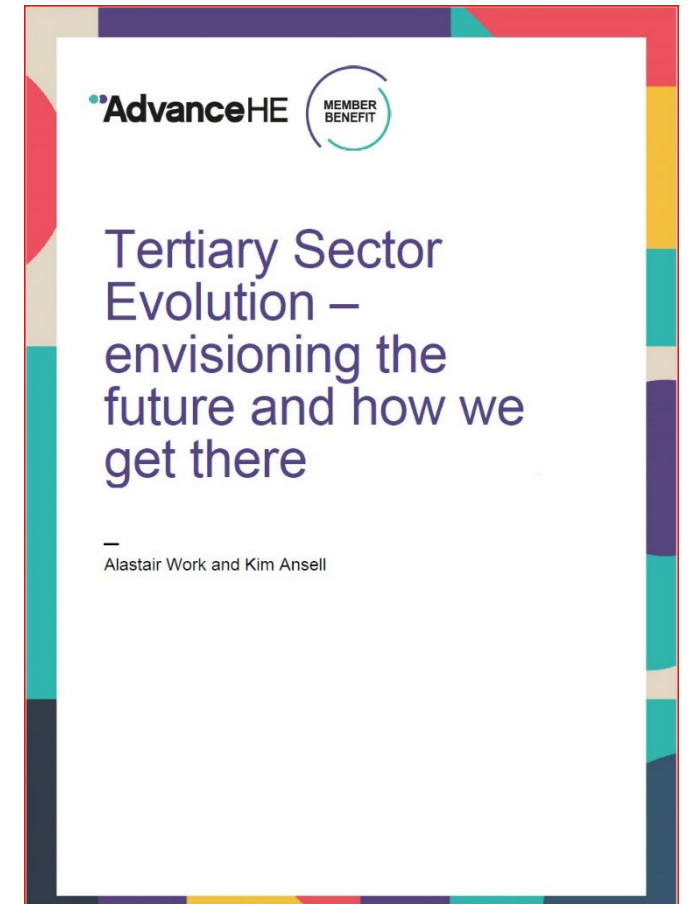
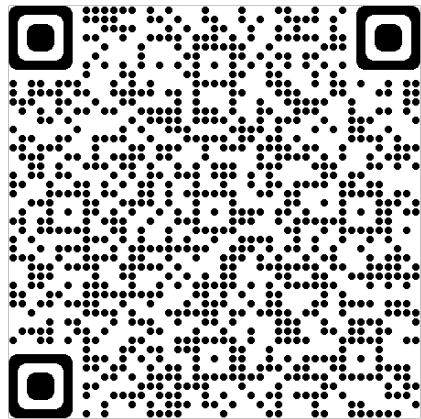
22/09/2022

# A quick disclaimer

- Forward looking statements should not be taken as a reflection of Advance HE policy or as an official viewpoint of the organisation.
- I'll be wrong about most of this.

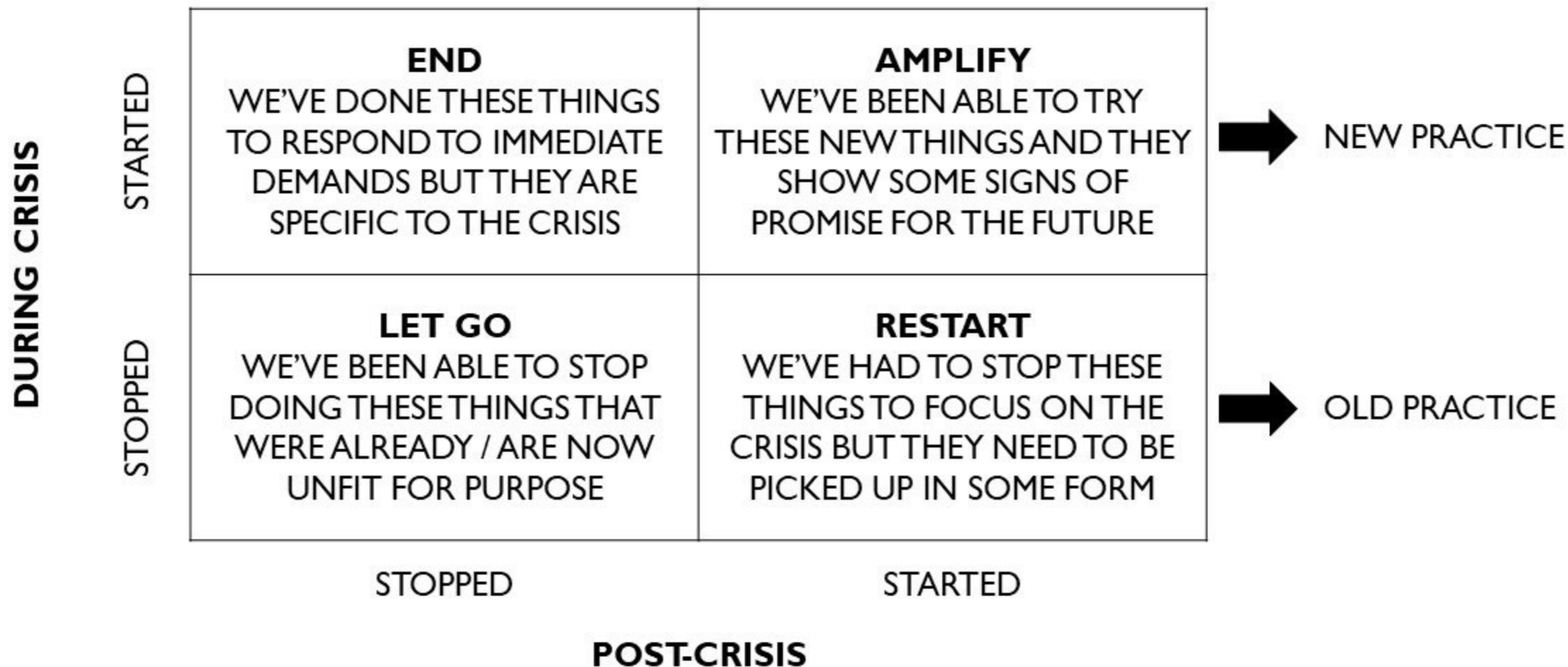
# The Future

- Govt Control and influence
- SWOT
- Aspirations
- How do we get there?



# Understanding crisis-response measures

Collective Sense-making





# What is going on?

# MERs, SNC, B4, PROCEED....

UNIVERSITY GUIDE

## Is a university degree still worth the cost?

The average student debt is about £50,000, so it's more important than ever to research the right institution and course



# Space and Place



# Virtual Space no place



# It's all about units?



# Other things people want to talk to me about

- Contract cheating
- Student engagement
- Managing an excellent hybrid experience
- Booming International numbers and providing a good experience
- Govt regulation

But one thing in particular people want to talk to me about....

# AI - How it works

computer scientists don't correct me as I go through as it will break my confidence - Ask for the chef special.

in a couple of minutes and with very little technical detail. – please can I ask the



# What is AI?

**Opinion** | We warned Google that people might believe AI was sentient. Now it's happening.

By Timnit Gebru and Margaret Mitchell

Google engineer put on leave after saying AI chatbot has become sentient

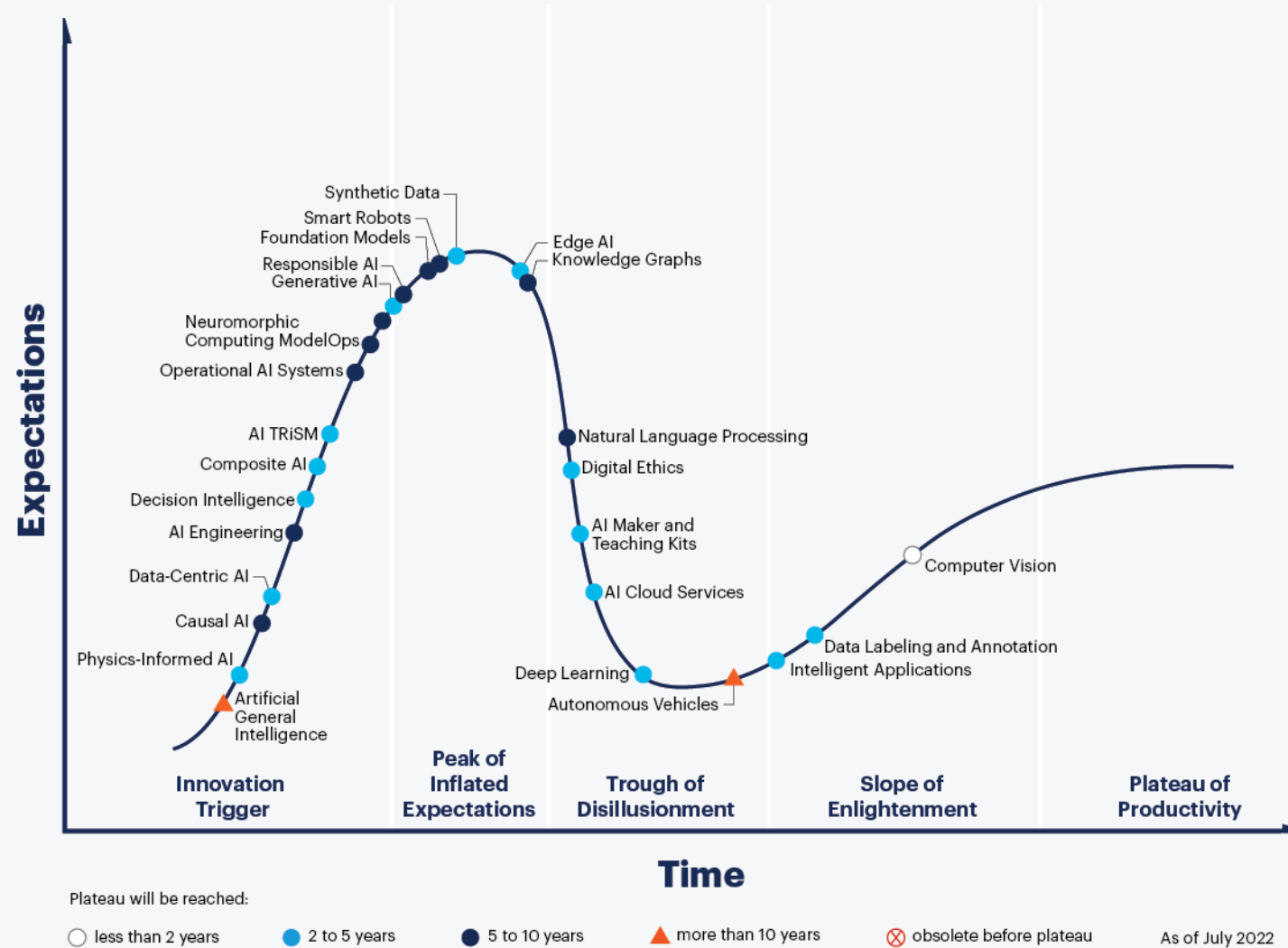
Blake Lemoine says system has perception of, and ability to express thoughts and feelings equivalent to a human child

Business Ethics

## Why You Need an AI Ethics Committee

by Reid Blackman

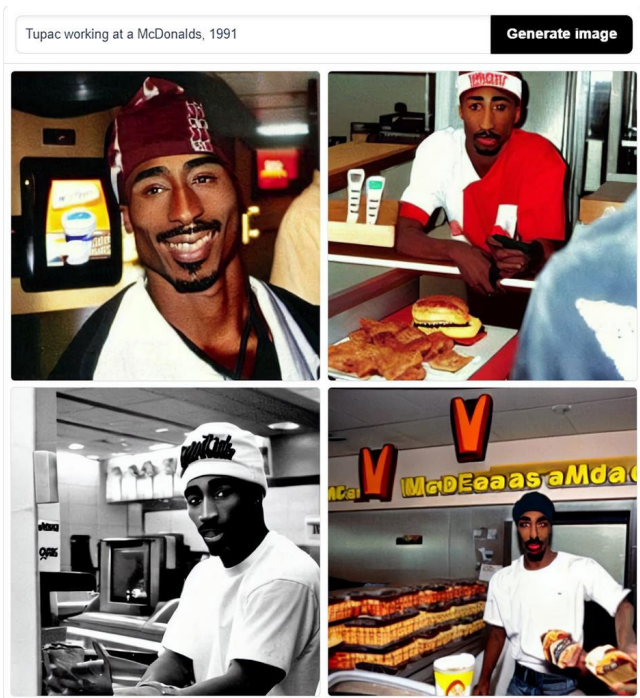
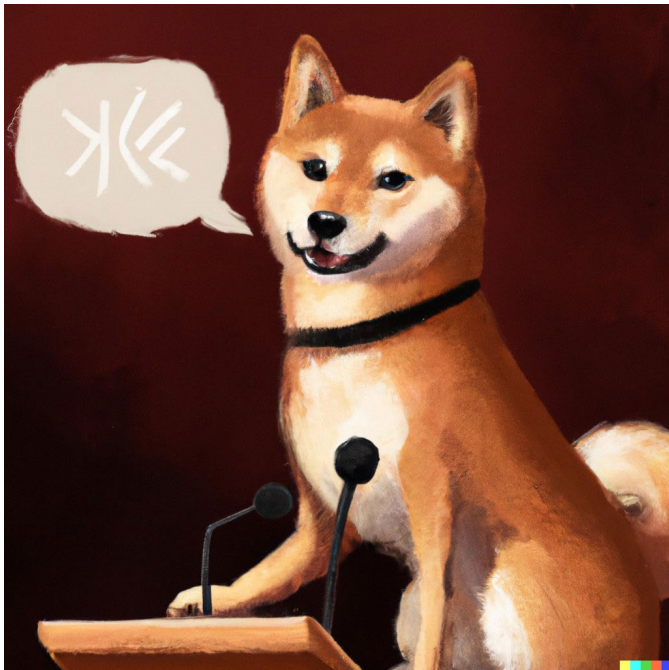
# Hype Cycle for Artificial Intelligence, 2022



[gartner.com](https://www.gartner.com)

Source: Gartner  
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**Gartner**







## A specific type of AI

- Google's LaMDA, short for Language Model for Dialogue Applications, is a system based on large language models (LLMs).
- "LLMs generate seemingly coherent text that can lead people into perceiving a "mind" when what they're really seeing is pattern matching and string prediction." (Bender et al. 2021)

# What is AI?

- “Furthermore, the tendency of human interlocutors to impute meaning where there is none can mislead both NLP researchers and the general public into taking synthetic text as meaningful.” (Bender et al. 2021)
- “[Stochastic parrots] stitch together and parrot back language based on what they’ve seen before, without connection to underlying meaning.” (Gerbu and Mitchell 2022)





# | Asking the Wrong Questions

# Big Questions of the moment

- Does AI *think*?
- Is it any *good* at writing essays?
- Will students use it to write essays?

#FALLONTONIGHT



# Actual questions

- ~~Does AI *think*?~~ Do humans see patterns? **YES**
- ~~Is it any *good* at writing essays?~~ Will this do? **YES**
- ~~Will students use this to write essays?~~ How many students are using it to write essays? **NO IDEA!**

- Although informed by theory, I'm interested in the *practical* not *theoretical* ramifications of AIGC (AI Generated Content)
- I largely ignore entirely *why* students might want to do this for time purposes
- This represents a thought experiment – *How could AI break the integrity of the essay?*

**Describe some common models of strategy management.**

There are many models of Business Strategy. One of the most famous writers about strategy was Michael Porter. He provided many ideas such as Five Forces and the Resource-based view.

This is the idea that a company's competitive advantage comes from its unique resources and capabilities. This theory is based on the work of Michael Porter. The key idea of resource-based theory is that a company's competitive advantage comes from its unique resources and capabilities. This theory has important implications for business strategy. First, a company must identify its unique resources and capabilities and a company must develop a strategy to protect and exploit these. Moreover, a company must continuously invest in its unique resources and capabilities and must manage its resources and capabilities so that they are not copied by its competitors.

The resource-based theory of competitive advantage has been criticised for several reasons. First, it does not consider the role of luck in business success nor the role

### Provide a critical analysis of Michel Foucault's core works

Discipline and punish is a work by Michel Foucault. It was first published in France in 1975, and it was translated into English in 1977. The book is an analysis of the historical development of disciplinary practices in Western societies. It argues that the power to discipline and punish is essential to the functioning of modern societies, and that this power is exercised in a variety of ways, through institutions such as the prison, the school, and the hospital.

In the book he talks about torture and how it was used to discipline people. He also talks about how the development of modern institutions has led to the increase in disciplinary practices. He was interested in the panopticon, which is a type of prison where the inmates can be watched at all times. He believed that this type of prison was more effective at disciplining people because the inmates never knew when they were being watched.

The book was very influential in the development of Foucault's thought, and it has been the subject of much scholarly debate. Critiques of this book include the charge that it is too pessimistic, and that it fails to take into account the resistance that people can and do offer to disciplinary practices. Peter Gay described discipline and punish as "the most brilliant book of our time".

Foucault also wrote "Security, Territory, Population" where he claimed that "The primary aim of a political society is to preserve and enhance the security of its

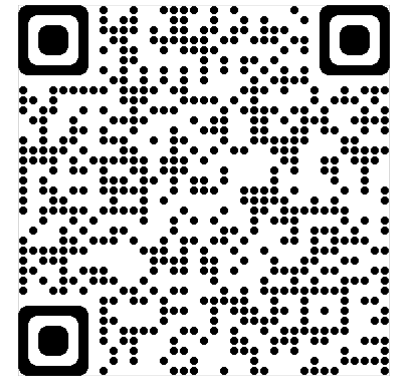
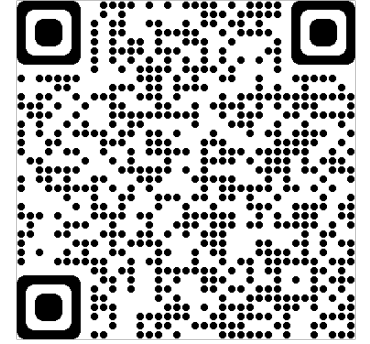
# AI written in less than a minute

## Describe some common models of strategy management.

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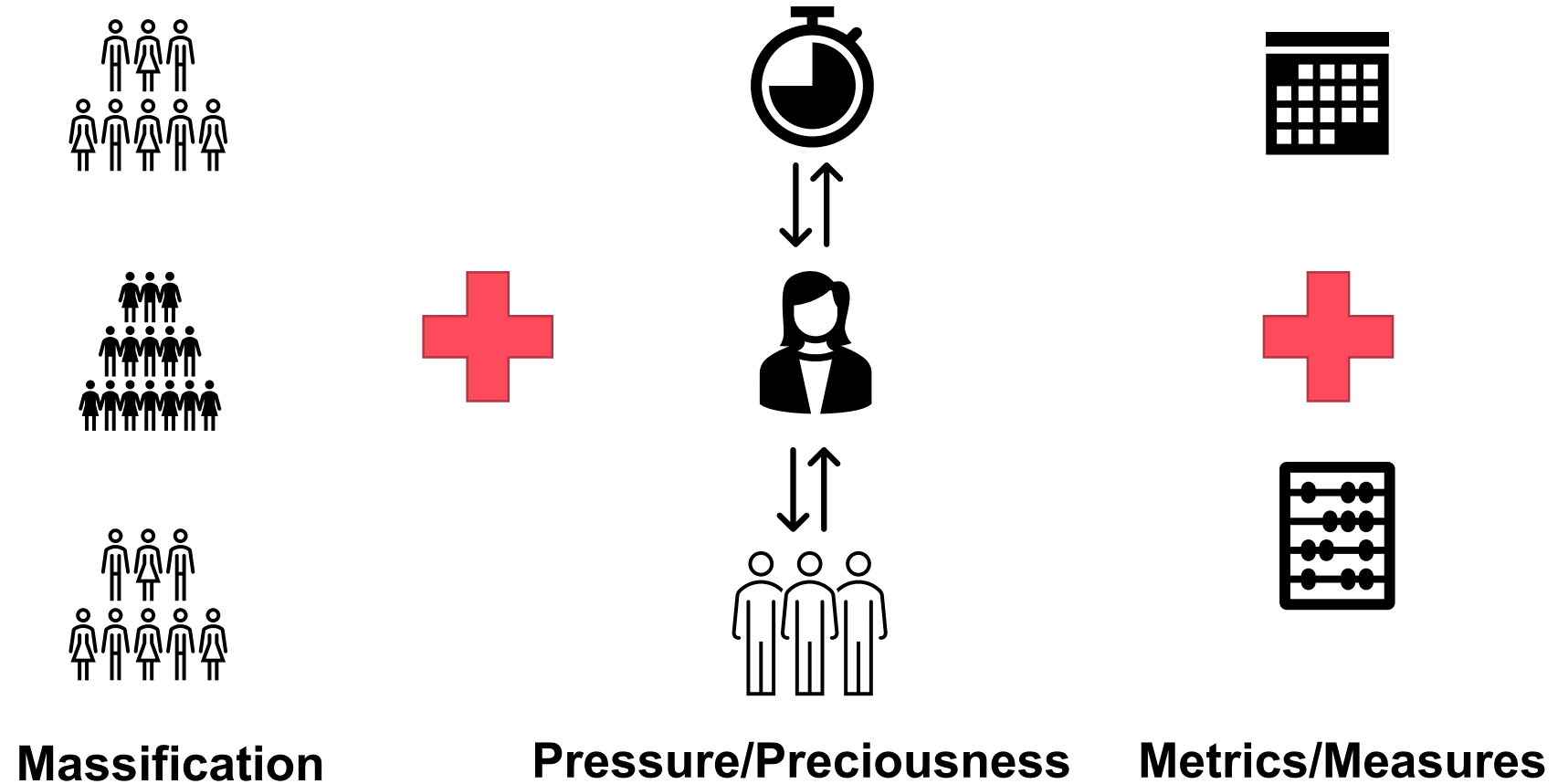
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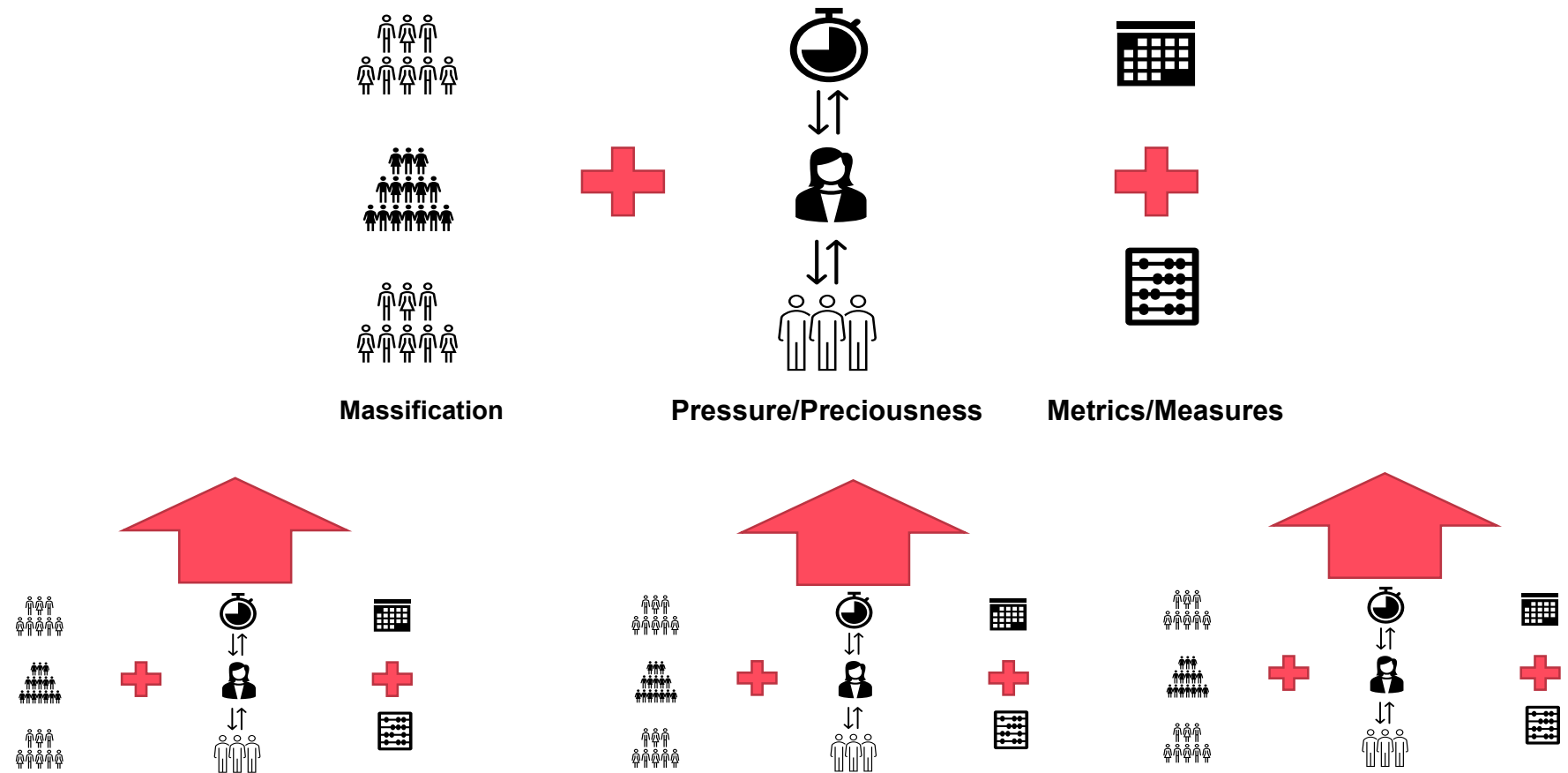
# | AI Attack at Mass



# How could AI attack the essay?



# How could AI attack the essay?



# The Future

- Likely to see adaptation of AI *into* assessments?
- AI *marking* likely already happening
- Adaption by contract cheating companies?
- Hard turn back to in person exams?
- Ungrading?
- Technology arms race?
- The solution is largely economic



# What Next?



**Tony Moss** @tonymossuk · Jun 18

Replying to @Charlesknight

I think reducing overall volumes of assessment is the way forward (for lots of reasons!). Introducing more creative and labour intensive assessments could work, if we were assessing less overall. Overassessment will of course also pressure more students towards misconduct...



7



**MartinCompton** @mart\_compton · Jun 18

A colleague told me about the 'automatic' system Ukrainian students can have as option in UG progs. Or what about looking at how vivas and oral summatives are embedded at scale in other massified countries? Or look at how medical Ed already scales OSCEs



2



**Dr Linda K. Kaye** @LindaKKaye · 10h

Replying to @Charlesknight

I do essays that are based on students' experiences. In one case, a reflection of how theoretical principles of learning relate to their own studying and another is reflection based on microteaching sessions. AI more likely to struggle on those perhaps



2



3



**Dr Pam Birtill** @diervilla · 10h

Replying to @Charlesknight

I think group work may help. Accountability to each other. And authentic assessment. Depending on the AI incorporation of very recent events for some subjects as the training set can be quite old



1



**Alan 'Dread Pirate' Hook** @alan\_hook · Jun 18

Replying to @Charlesknight

Have you seen any tests where real essay questions from modules in Humanities, Social Sciences etc are run through AI and then compared to the assessment criteria, blind or otherwise? Would be interested in productively using AI writing in assessment as reflective practice.



1



3



**Alan 'Dread Pirate' Hook** @alan\_hook · Jun 18

An assessment where students learn to form prompts to get first drafts, then are assessed on their track changes and comments on the flaws in the AI response would be an approach to embracing and respecting the talents of our new overlords (both AI and Student).



1



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4



# Student Survey 2022

## Student Academic Experience Survey 2022

**Jonathan Neves (Advance HE)  
and Alexis Brown (HEPI)**

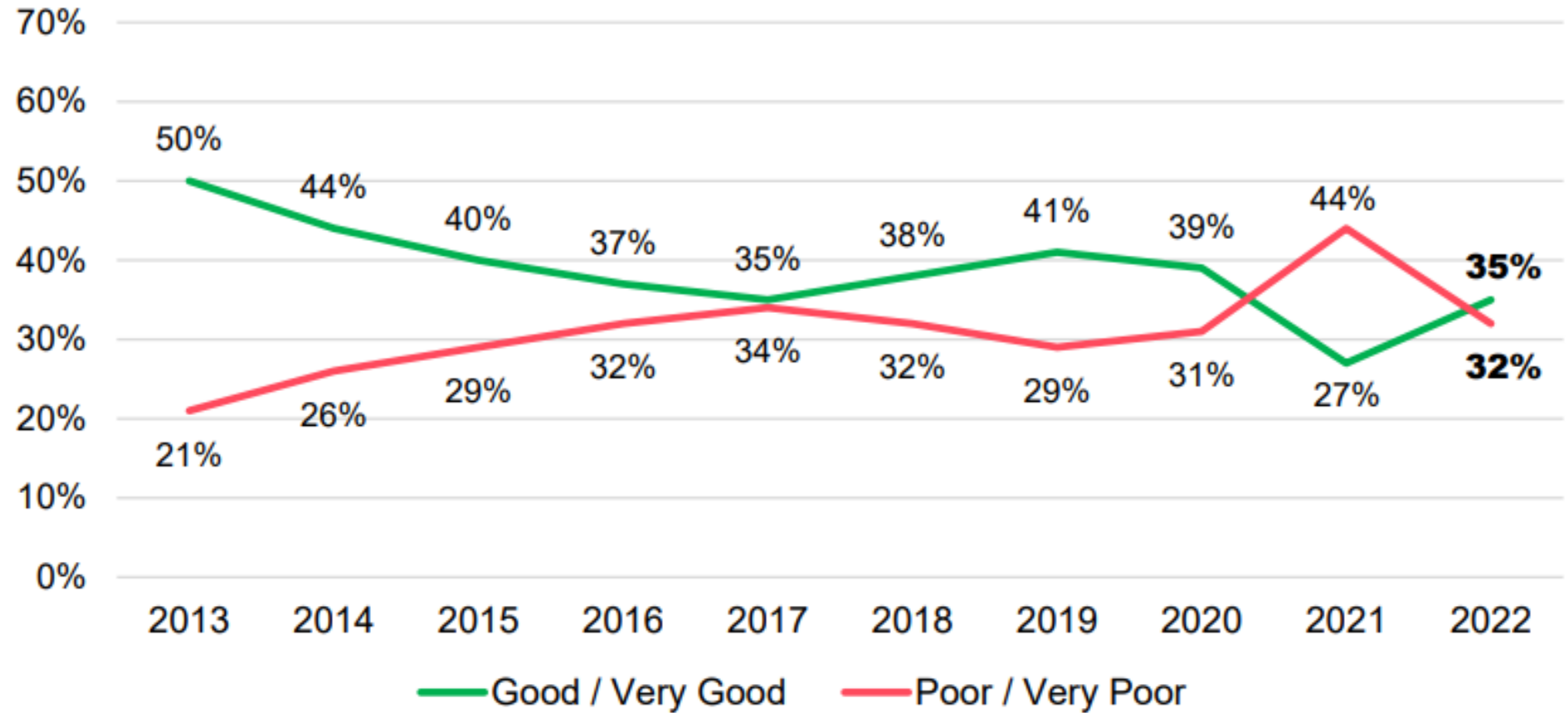
 **AdvanceHE**



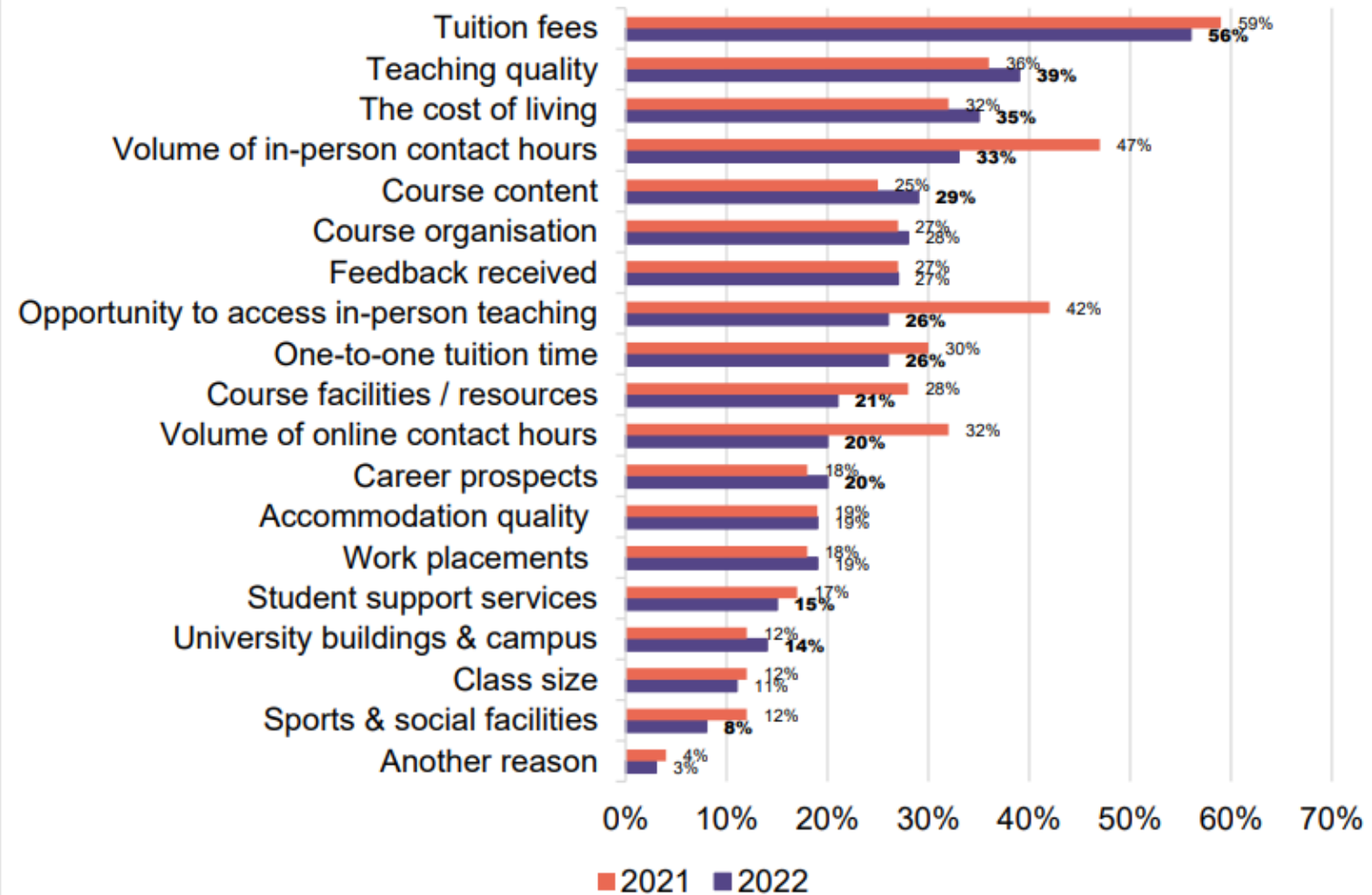
Higher Education Policy Institute



## Value-for-money of your present course



## When saying you received poor value / very poor value, what were you thinking about?

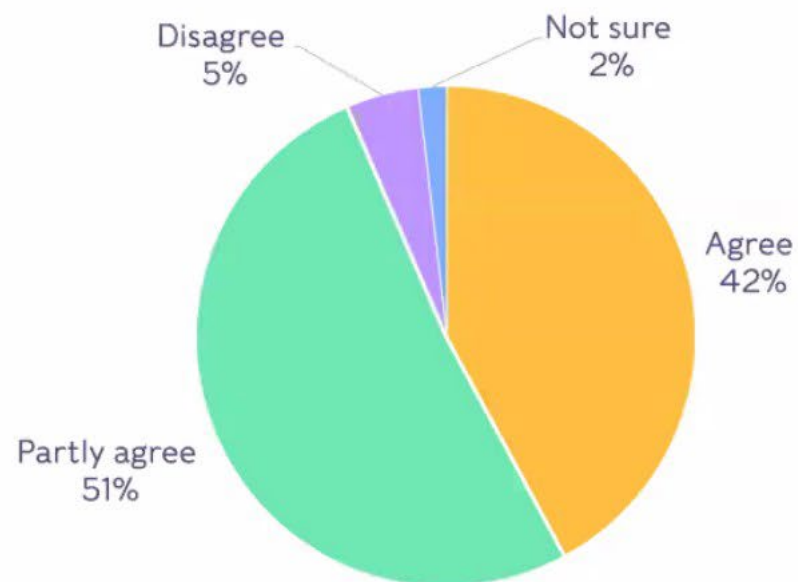


## Inclusion

In our original survey of students, we defined “inclusion” as:

**“the ways the constituent parts of a course (e.g. content, teaching style) create a space in which you (i.e. students) feel comfortable and confident to be yourself”**

To what extent do you agree with this definition of inclusion?



Overall **93%** of respondents agreed with our definition of inclusion

**Of those respondents, 51% only** partly agreed

# Thinking about what was said this morning



## **VC Address**

Professor Katie Normington Vice-Chancellor  
DMU



## **The creative act of pedagogy**

Professor Susan Orr Pro Vice-Chancellor,  
Education DMU

**Keynote: The creative act of pedagogy**

# Your Mission and Vision – *nothing has changed*

## **Mission:**

Discovering gateways of opportunity that **empower** students, staff and our community to create a fairer society

## **Vision:**

Creating a community of participation, fairness and collective responsibility; **transforming individual lives** and championing a fair and sustainable society.

| Thank you.

# References

# References/Links

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<https://openai.com/> - Which I used the GPT-3 model to write essays

<https://www.the-good-ai.com/> - Another tool that students tell me they are using