



# I-LEAD

REIMAGINING  
BUSINESS EDUCATION

# THE FUTURE OF LEARNING & TEACHING

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# What's the purpose of assessment?

Dr Dominic Henri, NTF, PFHEA

School of Natural Sciences

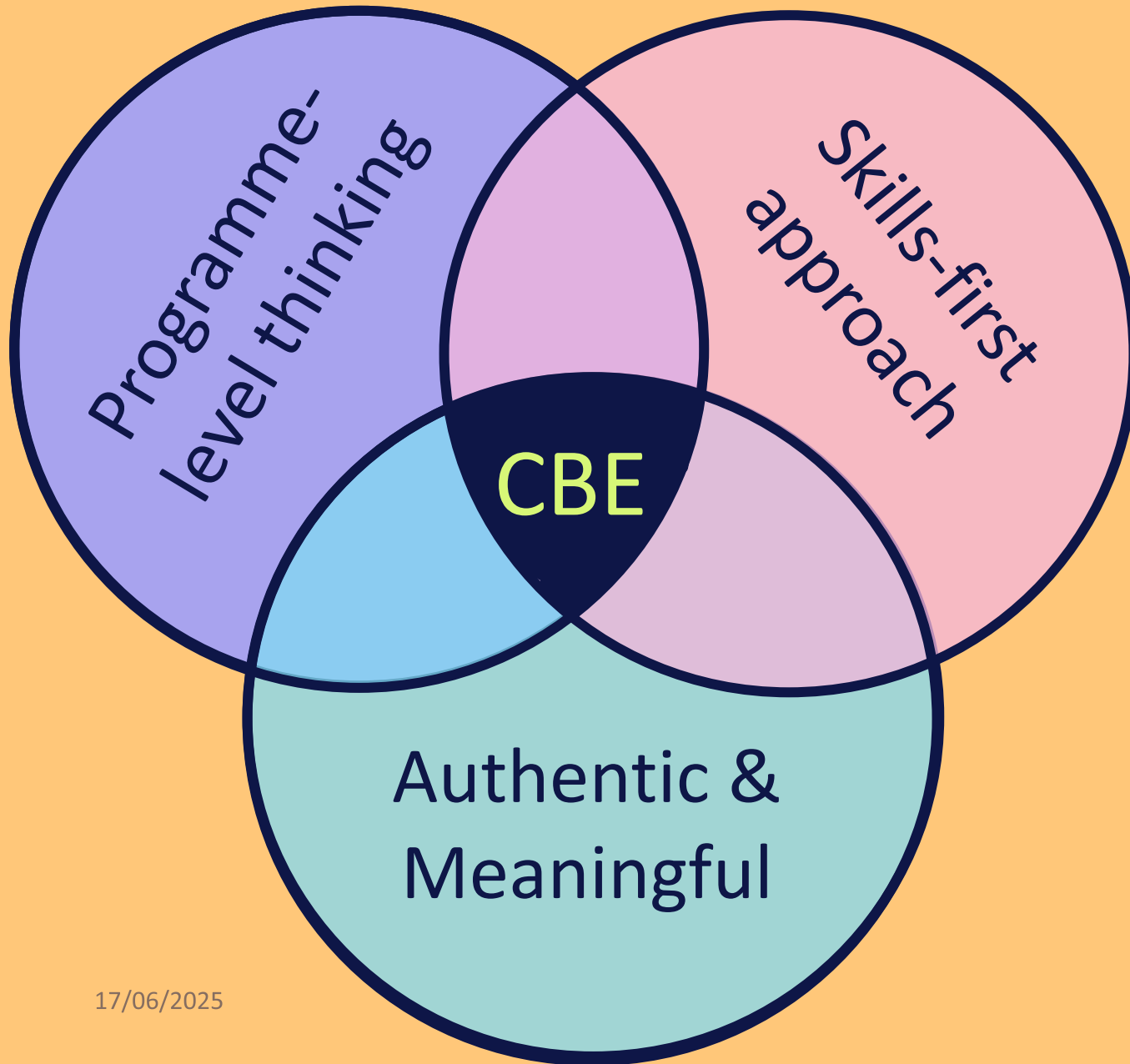


UNIVERSITY  
*of* HULL



Quick primer on *competence-based* education...





## The three challenges:

- 1) Transferring learning across contexts (modular degrees).
- 2) Connecting with personal and professional futures.
- 3) Developing and evidencing doing and being.

Definitions	Hull Competence Framework	QAA Competence Framework	EU Competence Framework
Knowledge Domain	Knowledge Management	Knowing	Knowledge
Skills Domain	Disciplinary Experience	Acting	Skills
Awareness Domain	Self-Awareness	Being	Attributes

Active development AND assessment of...

Knowing, Doing, and Being

17/06/2025













So, what is the *purpose* of  
assessment?



# Workshop 1 'What's the purpose of assessment?'

## Q-Sort board

-3 Most Unimportant	-2	-1	0 Neutral	+1	+2	+3 Most Important
 						
 Competence-Based Assessment						
 						
  						
						
<p>&gt;100 lecturers across six institutions. 30 Q-Sort groups. Seven days of workshops, collecting data and developing practice.</p>				 UNIVERSITY OF HULL	TEACHING EXCELLENCE ACADEMY	

# Things lecturers agree on...

N = 30 groups, ~120 individuals

Develop students as independent learners who have ownership of the direction of their learning and future aspirations.

Providing feedback so that learners can 'close the gap' between where they currently are in their learning and where they are...

Develop student competence in the kinds of tasks they might need to perform within a specific discipline-aligned profession or...

Develop student transferable skills so that they can operate effectively in a broad range of industries/professions.

Provide a reliable and objective measurement of a student's ability to evidence the programme competencies.

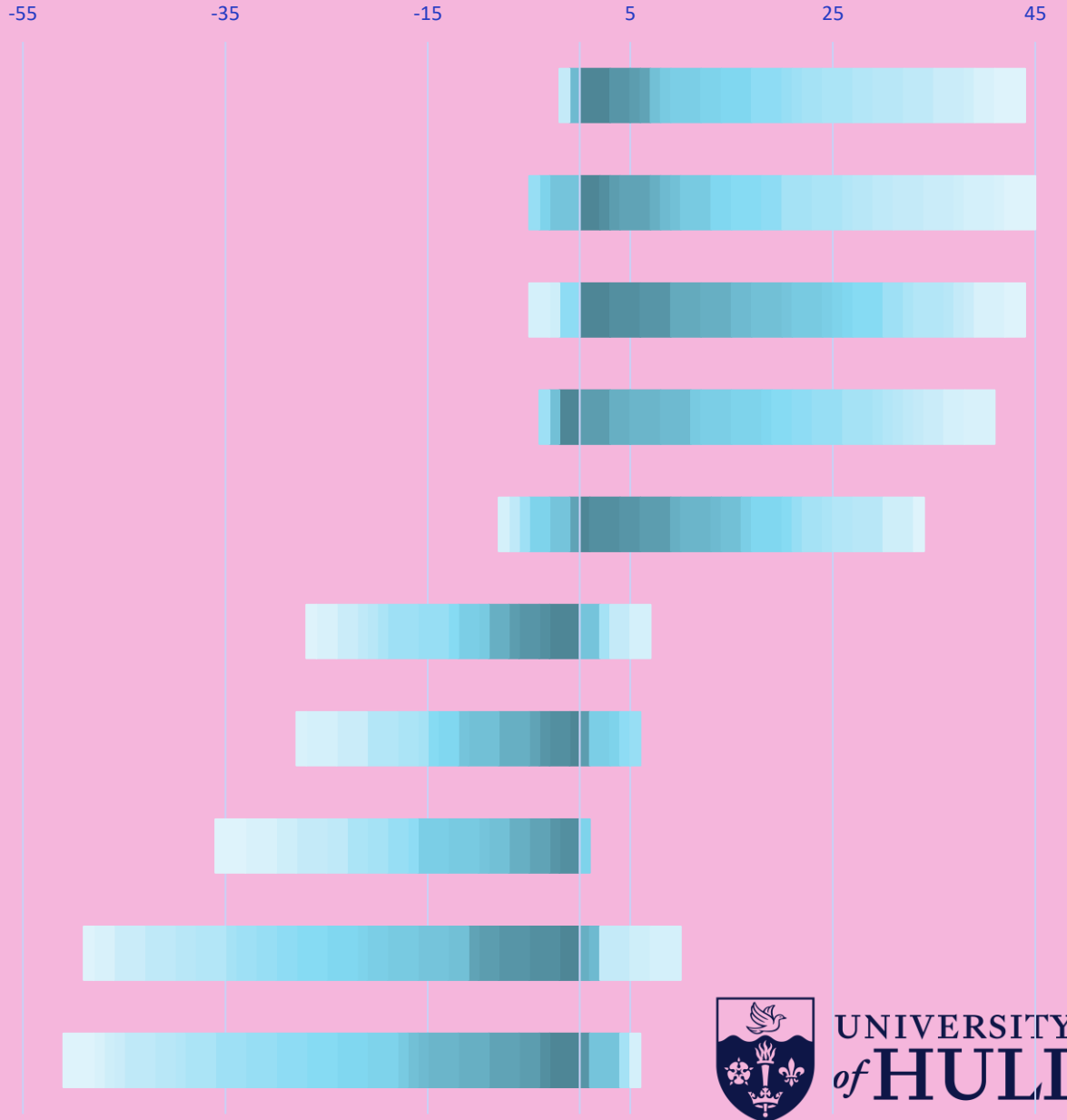
Provide objective evidence of a student's strengths and weaknesses.

Develop enthusiasm for the subject, discipline, and or the profession.

Provide opportunities for students to have impact within their local and professional communities.

Grading students' work so that comparisons can be made between students; e.g. a final degree classification can...

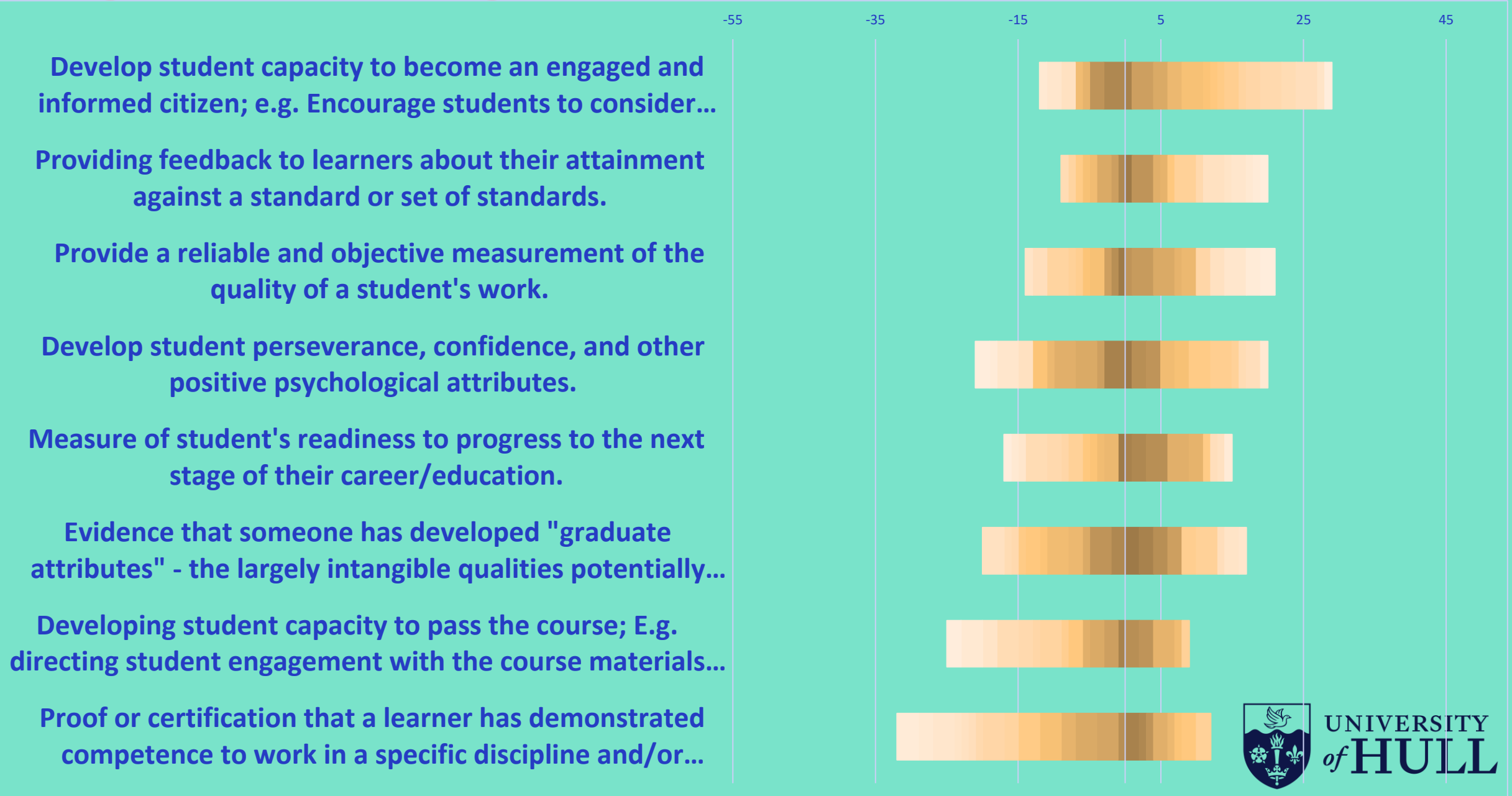
Indicate of the overall employability of a student.



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# Things lecturers *disagree* on...

N = 30 groups, ~120 individuals





## Complex problems raised during discussions...



**Feasibility** - To what extent can assessment achieve the broader aims of HE; e.g. informed citizenship, ethical values, and attitudes?



**Responsibility** - Do staff have the skills to build the full extent of student competencies, and should it be their responsibility?



**Identity** - What does it mean to be a graduate of degree 'X'; e.g. what is a scientist?



**Utility** - What is the difference between a degree and a training course.

Next question, what is effective assessment?

What **adjectives** would you use to define what an effective assessment strategy should be?



# How would you define effective assessment?



**N=115**

17/06/2025



# Concepts mirrored in the NSS



CLEAR



FAIR



FEEDBACK  
(HELPFUL)

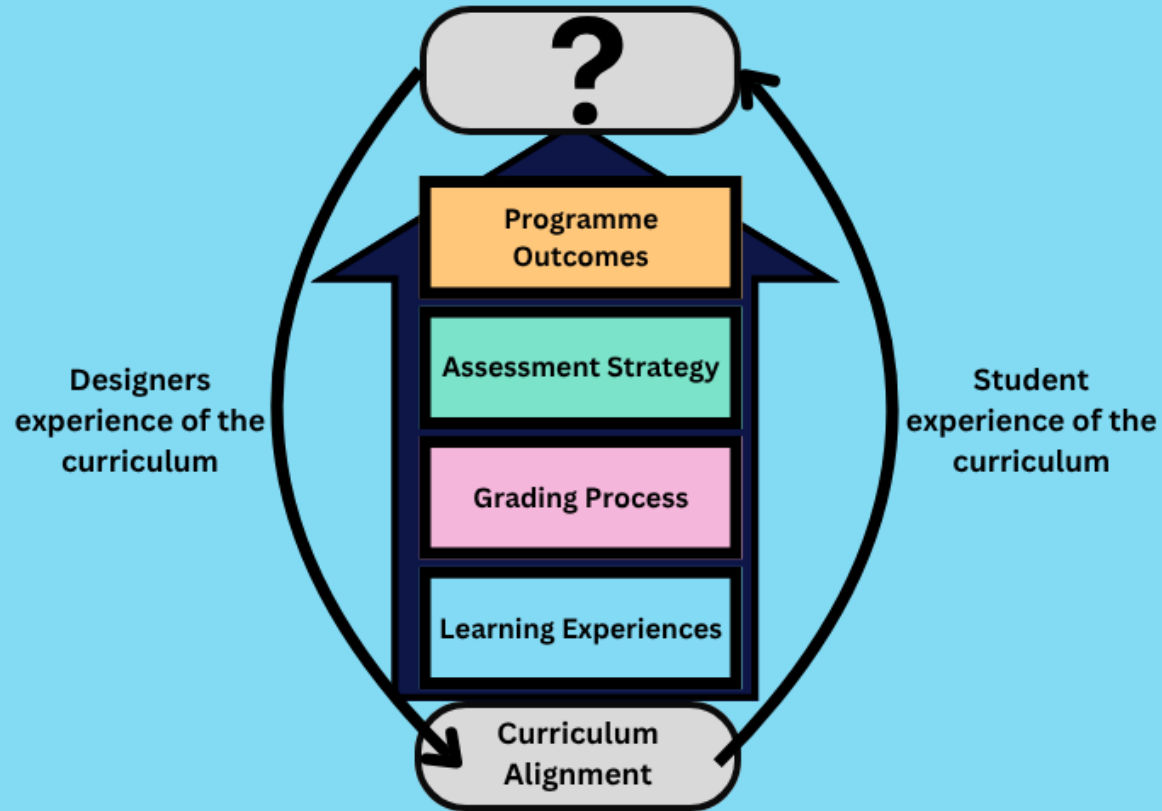


DEVELOPS SKILLS  
FOR FUTURE

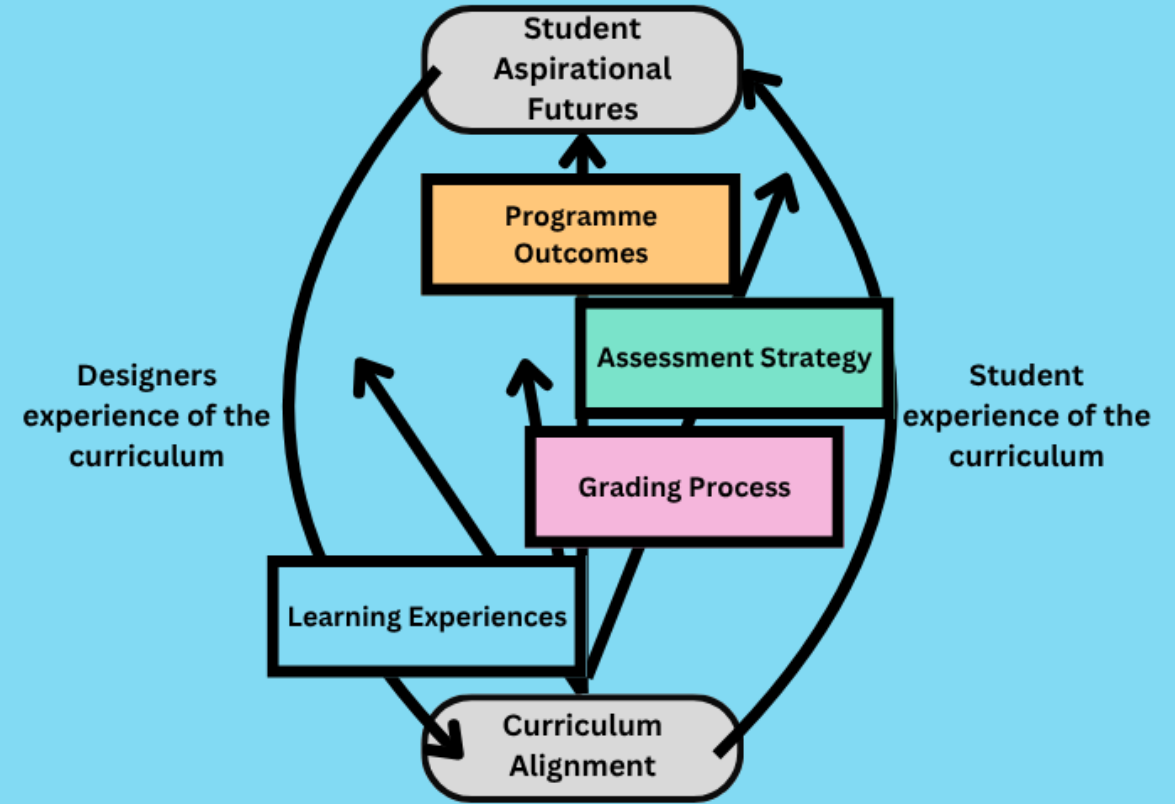
# Many modern curricula struggle to address '**constructive dis-alignment**'.

Where the programme's educational tools (e.g. teaching and assessment) are not optimized towards the enhancement and realisation of students' aspirational futures!

## Constructive Disalignment



## Constructivist Misalignment





# C-BAss framework **flips** traditional curriculum design

Where the assessment strategy and module assessments are designed to facilitate student achievement of the final year programme competences, **before** teaching strategy or content.

**M** EANINGFUL

**A** SSESSABLE

**R** ELEVANT

**Val** UABLE

Programme  
Outcomes are...

### PART 1 PROGRAMME GOALS



**M** Effective assessment is...

**I**

**S**

**Ch**

**I**

**E**

**F**

Meaningful

Integrated

Scaffolded

Challenging

Inclusive

Engaging

Feasible

& Fair

### PART 2 - ASSESSMENT STRATEGY



### PART 5 ITERATIVE & SCHOLARLY REFLECTION ON PROGRESS



### PART 4 - BUILDING CAPACITY



### PART 3 - ASSESSING COMPETENCE



**A**

Briefings explain  
assignment expectations  
and value, and encourage  
student autonomy (not  
dissuade it)

**B**

Marking criteria that  
quantify competence, and a  
grading process that is  
appropriately explicit,  
reliable and efficient

**C**

Feedback guides student  
development, and  
encourages action.

Institutional

Academic

Attitudinal

Educational

Embedding the 4  
University Literacies



# The 5 Components of

1) The purpose of assessment is to develop and evidence the programme outcomes.

2) Assessment defines the curriculum, so if we want students to develop something it must be assessed.



## Part 1 Programme Outcomes

The whole curriculum (including assessment) is constructively aligned to outcomes that are Meaningful, Assessable, Relevant, and Valuable.

**Action:** Programme teams work collaboratively, with stakeholders, to develop a set of programme competencies that enhance student futures

## Part 2 Assessment Strategy

Programme assessment must be: Meaningful, Integrated, Scaffolded, Challenging, Inclusive, Engaging, and Fair/Feasible.

**Action:** Programme teams work collaboratively to agree a programmatic assessment strategy designed to develop and evidence competencies.

## Part 3 Assessing Competence

Assignment instructions set a contract about what students must, and therefore 'will', do. These must make explicit what contributes to the grade.

**Action:** Programme teams design an assessment briefing, marking criteria, and feedback processes that support learner autonomy and growth.

## Part 4 Building Student Capacity

Programmes must take an active role in developing the broader university literacies students require to succeed.

**Action:** Programme teams complete the self-audit process to embed student capacity building and address the Hidden Curriculum.

## Part 5 Iterative & Scholarly Reflection on Progress

Effective education comes from the continual evaluation of progress towards the programme outcomes. This applies equally to educators and students!

**Action:** Regular evidence-based reflection should be built into course assessment and curriculum review processes. Successes should be articulated to all stakeholders; i.e. students, employers and educational practitioners through scholarship.



Assessment  
must be  
**designed**  
to be  
**purposeful!**

# Thanks and contact details

- C-BAss Team – Andrew Holmes and Kate Bridgeman
- Massive thank you to our project partners: Chris Scott (Bishop Burton), Nigel Francis (Cardiff), Ruth Healey / Jackie Potter (Chester), Sarah Gretton / Alison Snape (Leicester), and Pip Moore / Sara Marsham (Newcastle).
- QAA for funding and help with project management.
- Contact us at - [cbass@hull.ac.uk](mailto:cbass@hull.ac.uk).

17/06/2025

CBAss Symposium August 2025 -  
Registration form



Online symposium 18<sup>th</sup> August





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# PILOTING SHARP

An Iterative Framework in Co-Creating  
Assessment in the Age of GenAI



A Transforming Assessment for Student at King's (TASK)  
College Teaching Funded Project 24/25  
KCL ethics ref no: LRS/DP-24/25-46257

By Dr Zeenat Soobedar de Villeneuve  
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& Miss Sophie Bennett  
IoPPN, King's College London  
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# OUTLINE

- The Problem
- The Gap
- A Solution: The SHARP  
Assessment cycle

- What is SHARP?
- Pilot
- SHARP in Action
- Next Phase...





# THE PROBLEM

A disconnect in assessment practice

- 01 Current summative assessments rarely act on student feedback in real-time.
- 02 Changes often benefit future cohorts, not the students providing feedback.
- 03 Feedback focuses on marks rather than the assessment experience.
- 04 Opportunities to improve fairness and transparency are often missed.

# THE GAP

Feedback is retrospective

- 01 Real-time, cohort-specific feedback is lacking.
- 02 Feedback literacy emphasises students' active engagement (Carless & Boud, 2018).
- 03 Other sectors show the benefits of real-time feedback (Cappelli & Tavis, 2016).
- 04 Education needs similar responsive models.

# A SOLUTION

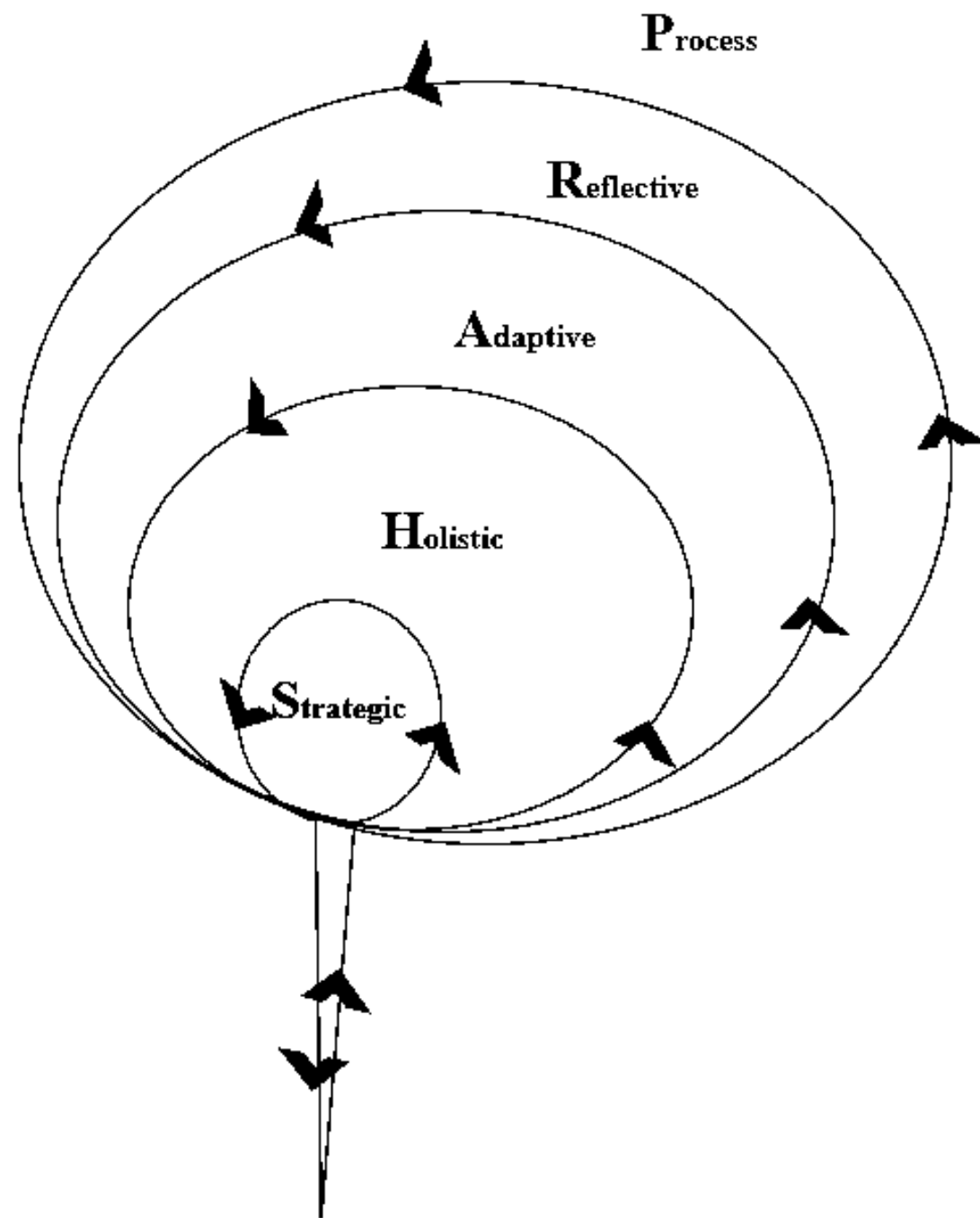
## The SHARP Assessment Cycle

1. Embeds student voice at every stage of assessment.
2. Allows real-time adjustments based on student feedback.
3. Students co-create assessments rather than passively receive them.
4. Piloted in the Maths for Social Sciences (M4SS) and Economics modules at King's Foundation, King's College London.





# WHAT IS SHARP?



**S**

**Strategic:** Design using prior student feedback and align with new developments (e.g., AI).

**H**

**Holistic:** Ensure alignment with diverse needs, overall outcomes, and workload.

**A**

**Adaptive:** Use real-time feedback to clarify and adjust assessments in progress.

**R**

**Reflective:** Collect feedback on process and effectiveness for future use.

**P**

**Process:** Embed ongoing dialogue and iterative practice across cohorts.





**Sample:**

Trialled in 3 M4SS in-class tests, M4SS group presentation and Economics group report & individual analysis (results not available yet)



**Methodology:**

- Hold discussion with module leader
- Gather student input pre and post assessment iteratively

(we focus on pre-results release data due to consistent student views and to avoid negative bias following grade release)



- Analyse quantitative and qualitative data - thematic analysis used for open-ended questions
- Share action points for next assessment with students

# PILOTING SHARP



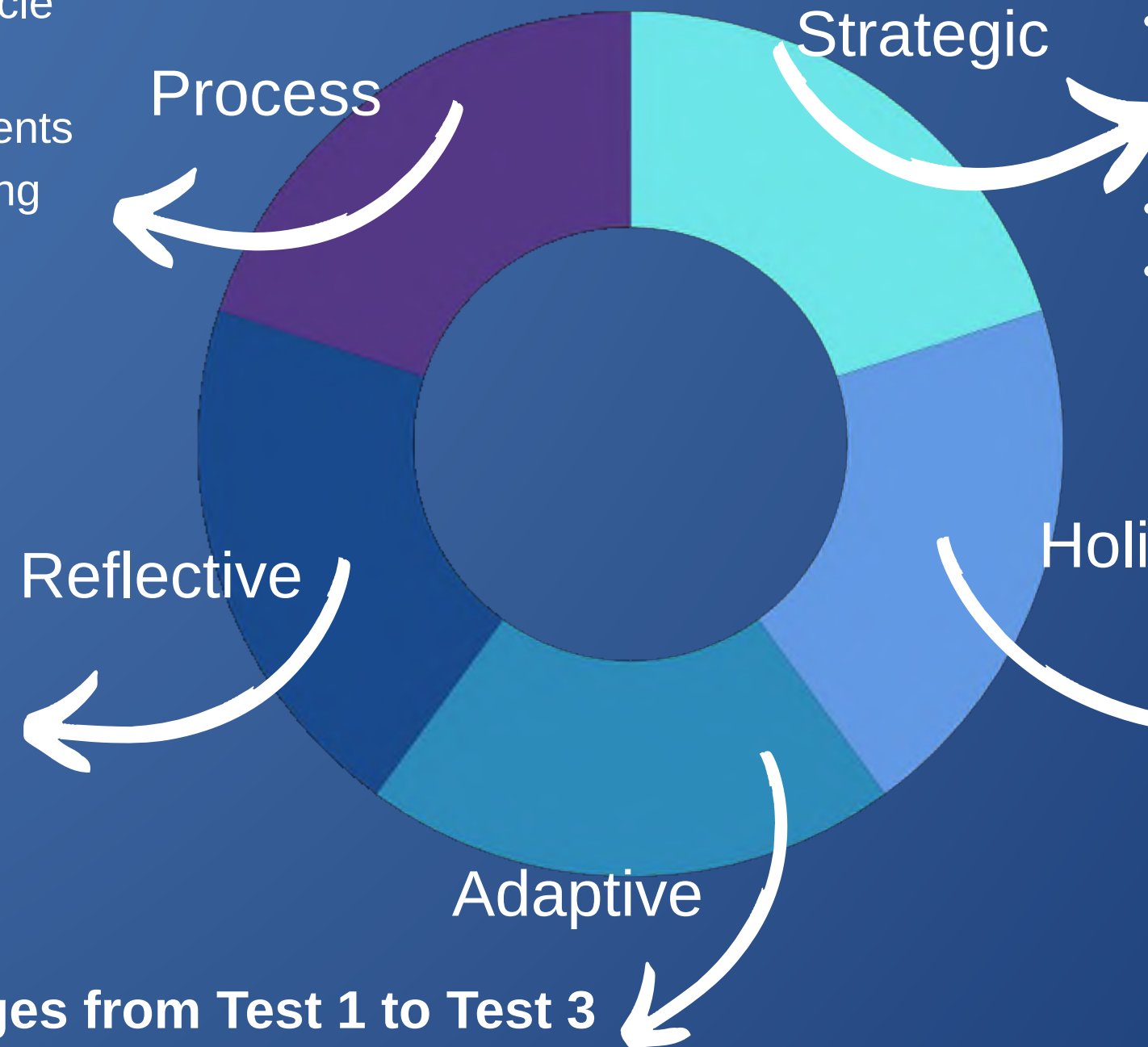
# SHARP IN ACTION

## Throughout

- Three in-class tests trialed the full cycle
- Ongoing dialogue between staff and students drive continuous improvements
- Students active contributors in shaping assessments in real time

## Planning before Test 1

- Designed with clear alignment to learning outcomes (AI consideration here when test was online)
- Informed by past student feedback
- Tackled the move from online to in-class tests: logistics, space, delivery format



## Holistic

### Across Tests 1–3

- Considered overall student experience: clarity, workload, fairness
- Staff reflecting on redundancy and alignment with learning outcomes

## Adaptive

### Real-time changes from Test 1 to Test 3

- Real-time tweaks (e.g. more spacing in Test 2; simplified contexts in Test 3)
- Academic standard maintained while enhancing clarity and engagement
- Close feedback loop so students see their voice matter

## Reflective

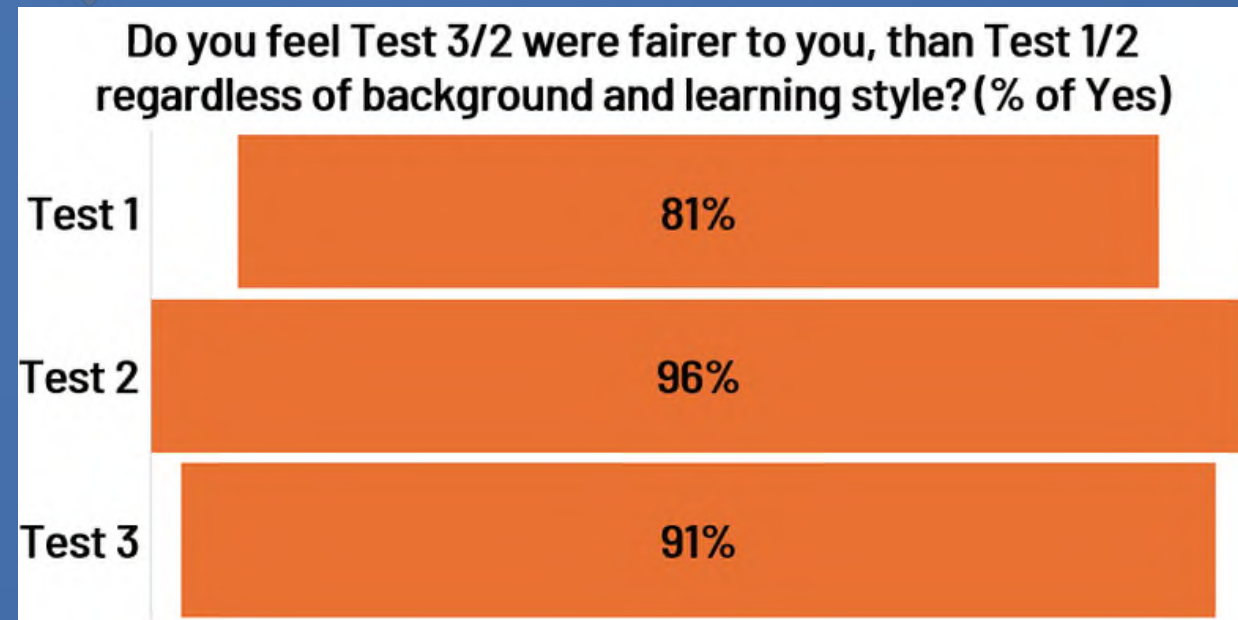
## After Each Test

- Student reflections on their learning, performance and test prep strategies
- Staff reflections on assessment quality, inclusivity, and student experience
- In-class stress raised reflection of need for alternative formats

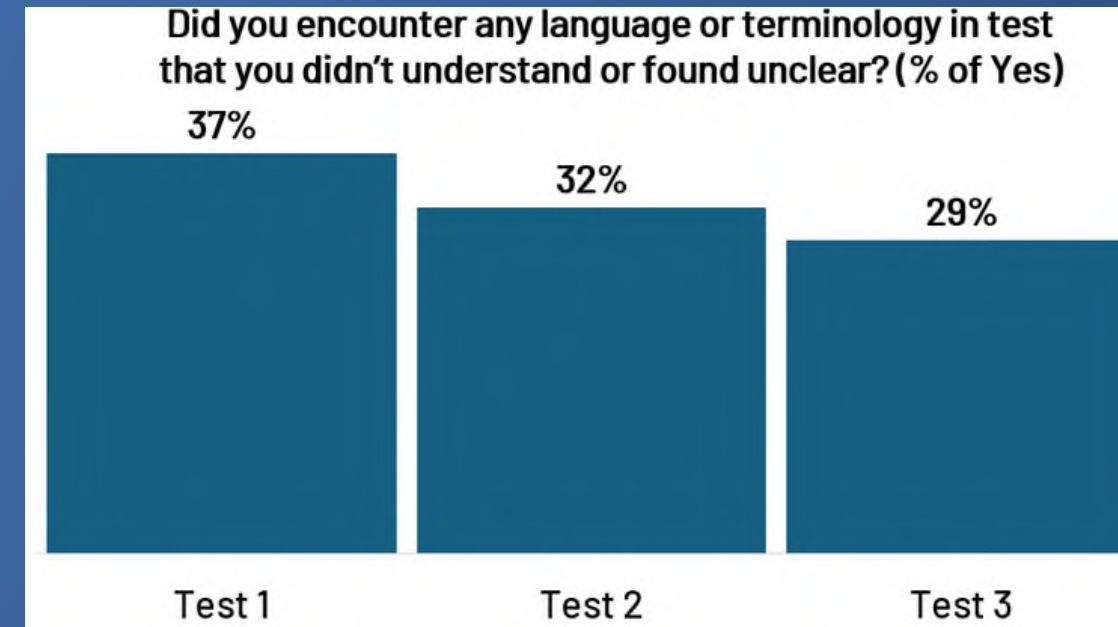
# MAIN THEMES

Obs	Test 1	Test 2	Test 3
Sample	64	64	64
Say (%)	40 (62.5%)	28 (43.8%)	38 (59.4%)

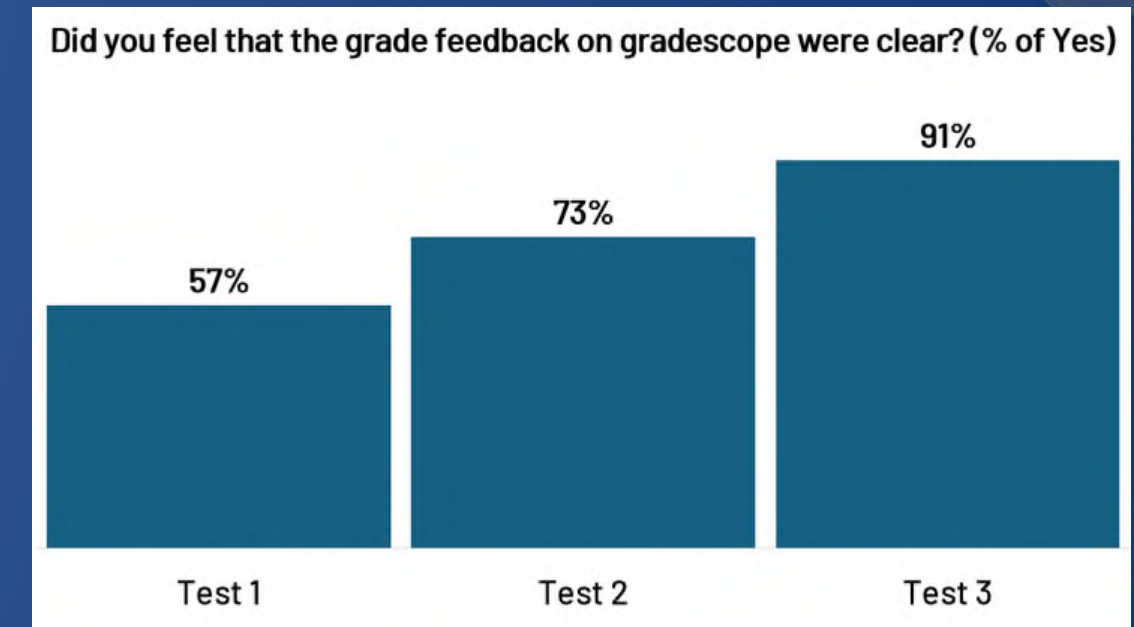
## FAIRNESS



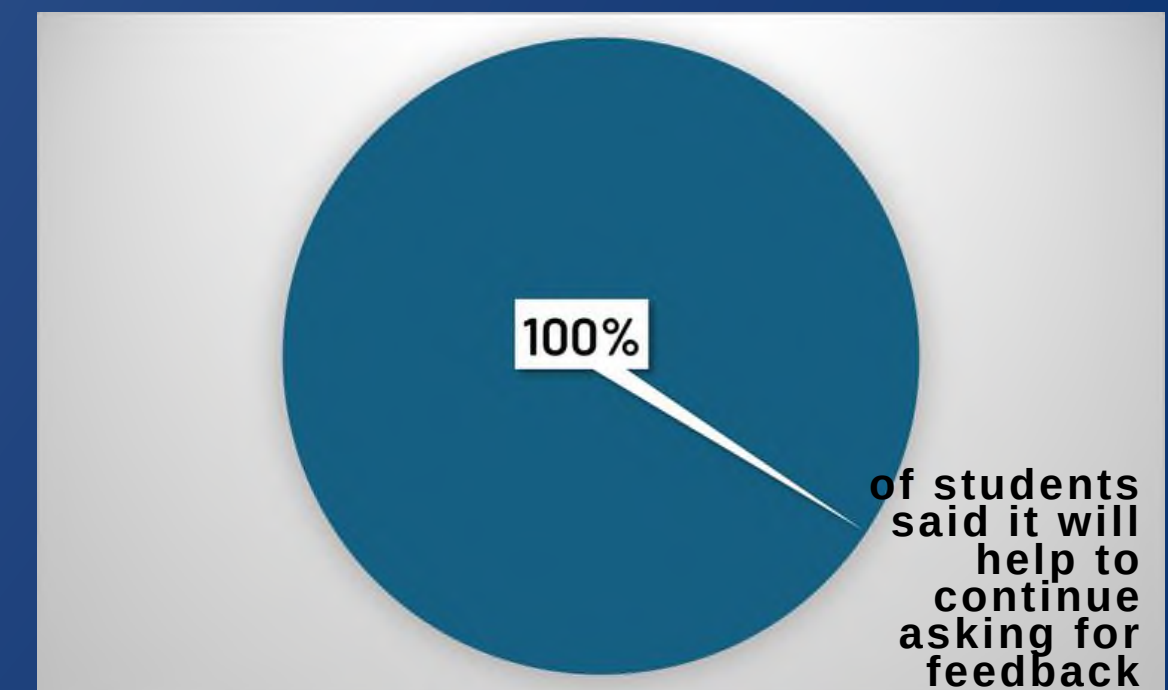
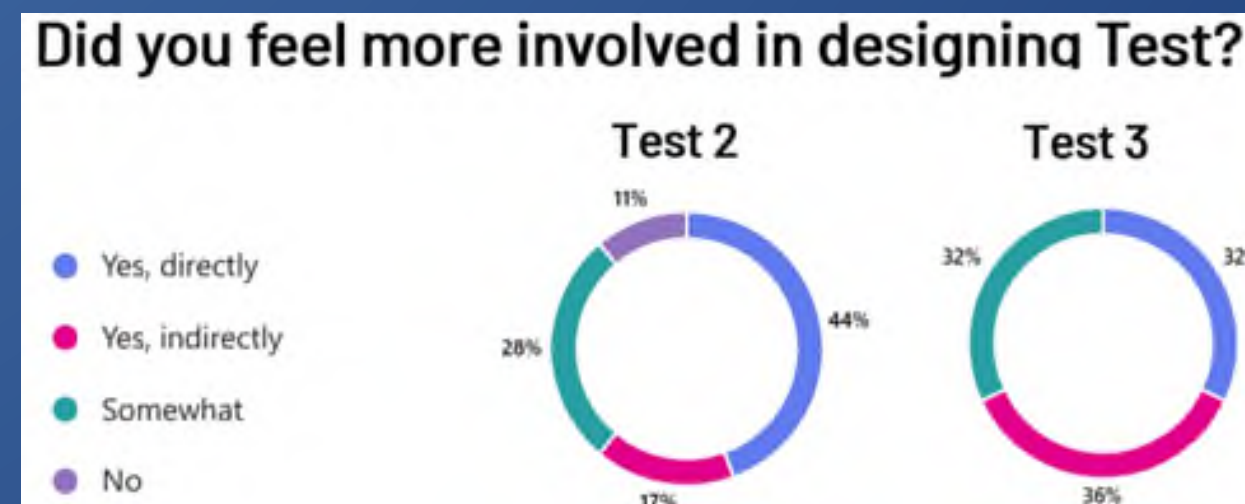
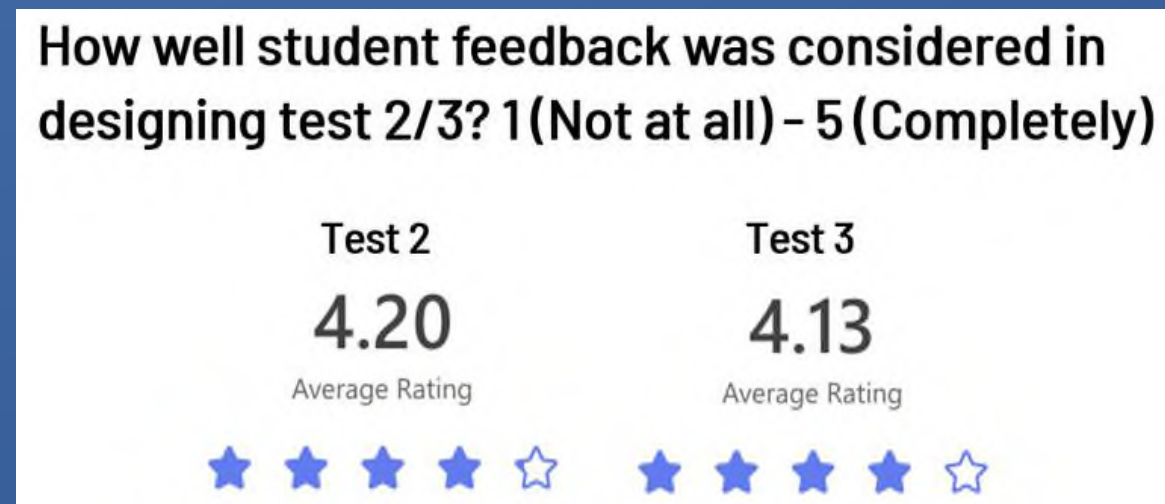
## INCLUSIVITY



## TRANSPARENCY



# STUDENT VOICE





# SOME STUDENT RESPONSES

On a scale of 1 to 5, how well do you think student feedback from test 1 (2) was considered in designing test 2 (3)?  
1 (Not at all) - 5 (Completely)

## Open-ended answers

Do you think we should keep asking for similar feedback to future M4SS students?  
Explain why or why not.

Yes, so you can know what works best for students.

Yes, to improve every year

Yes, it seems very helpful, I didn't fill out the previous survey

Yes. I think this series of surveys has somewhat increased my sense of engagement as a student.

It's nice to feel listened to even if it's a placebo

I gave great feedback for test 2, which made test 3 similar to the second

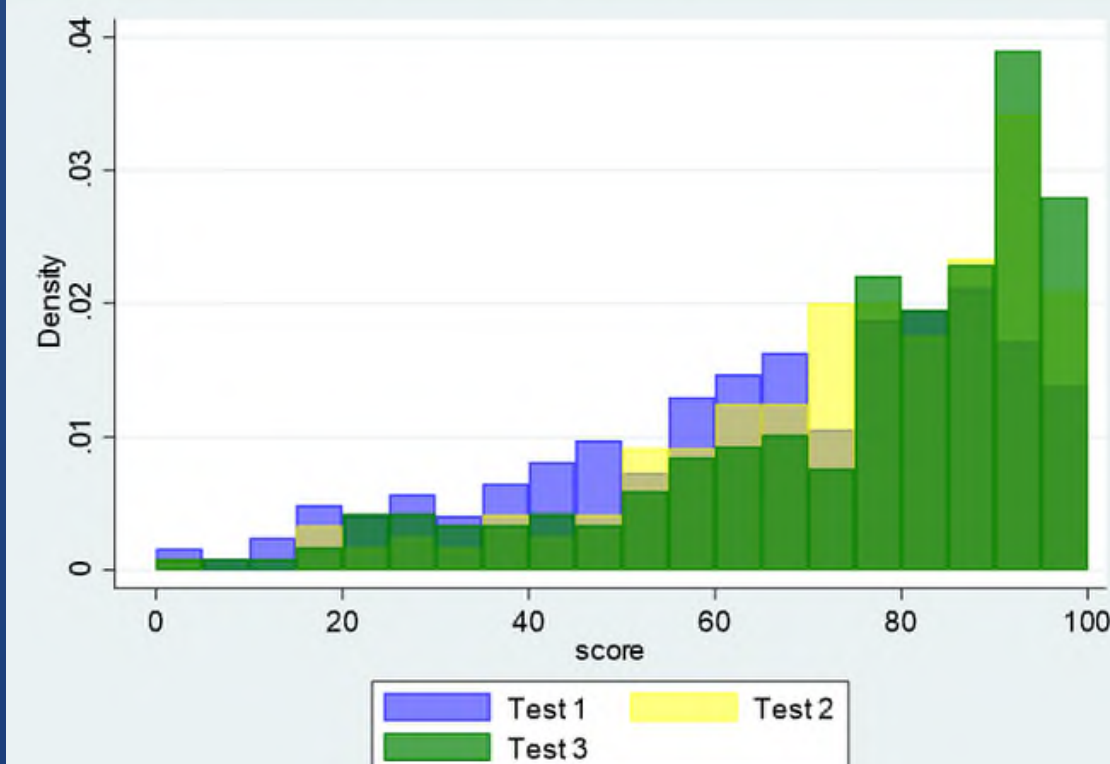
Test 3's question types were not so different from test 2 and most of my classmates were satisfied with test 2's format.

It was all clear  
At least for me  
The bold text was great

I heard many students say that what they suggest was taken into consideration.

It was well constructed like test 2

Figure Student Grades Distribution





# NEXT PHASE...

## SHARP TOOLKIT?

1. To embed into teaching practice
2. SHARP module assessment plan being created digitally

## SCALABILITY?

1. Looking to pilot in an undergraduate/postgraduate module
2. Fits different assessment types?
3. Cross-disciplinary application?
4. Reusable structure?
5. Supports different cohort sizes?



# THANK YOU

Questions or reflections welcome!



DR ZEENAT SOOBEDAR DE VILLENEUVE



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Scan to express your interest  
in knowing more about SHARP



# REFERENCES

- Cappelli, P., & Tavis, A. (2016). The performance management revolution. *Harvard Business Review*, 94(10). 58–67. <https://hbr.org/2016/10/the-performance-management-revolution>
- Carless, D. (2018). Feedback loops and the longer-term: towards feedback spirals. *Assessment & Evaluation in Higher Education*. 44. 1-10. 10.1080/02602938.2018.1531108.





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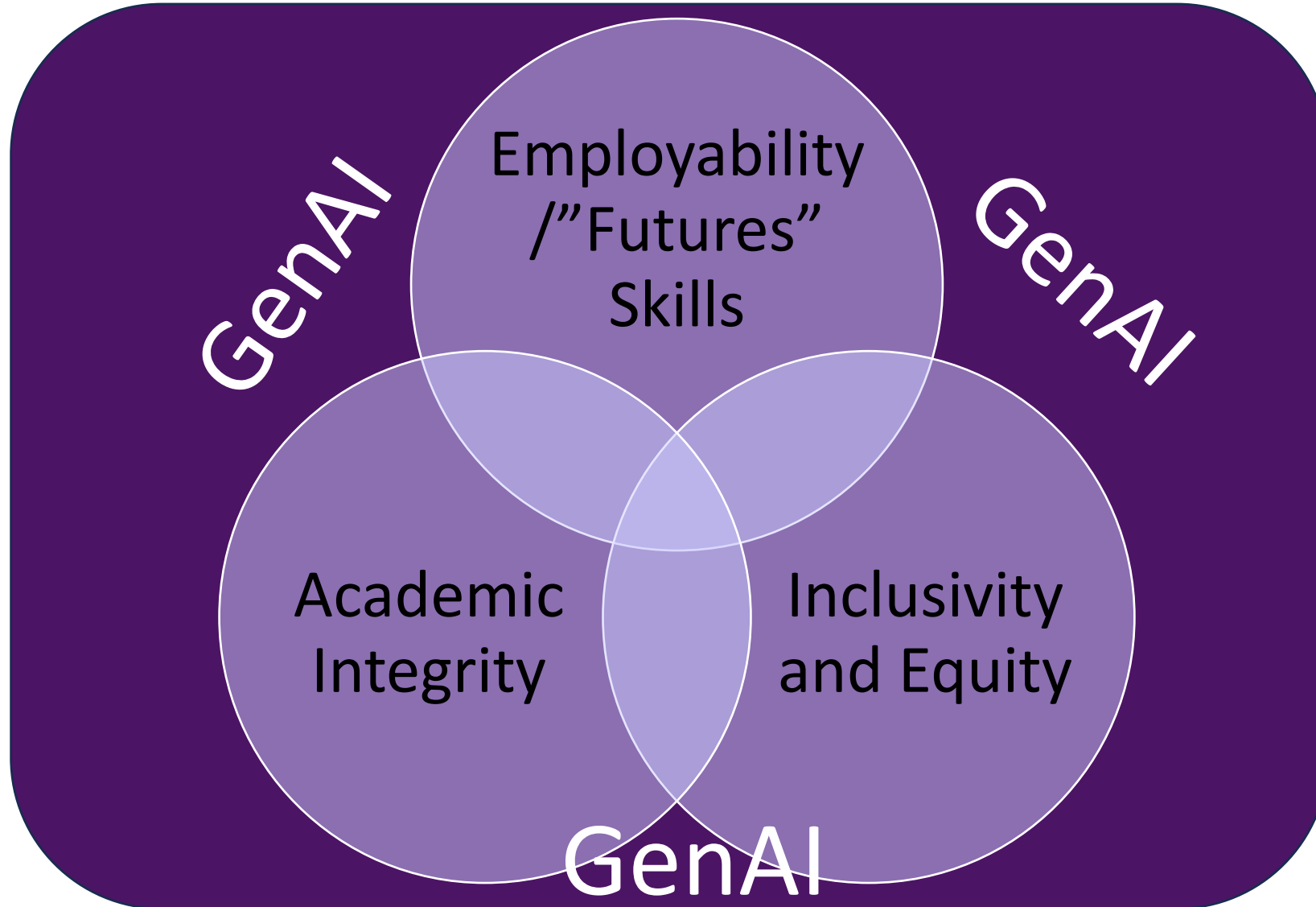


# Rethinking Assessments in a GenAI-enabled world

Parama Chaudhury and Ramin Nassehi  
University College London

June 2025

(co-authored with Antonio Mele, Carlos Cortinhas, Cloda Jenkins, Denise Hawkes,  
Silvia Dalbianco and Stefanie Paredes Fuentes)



Survey: How are professional economists  
using AI at work?

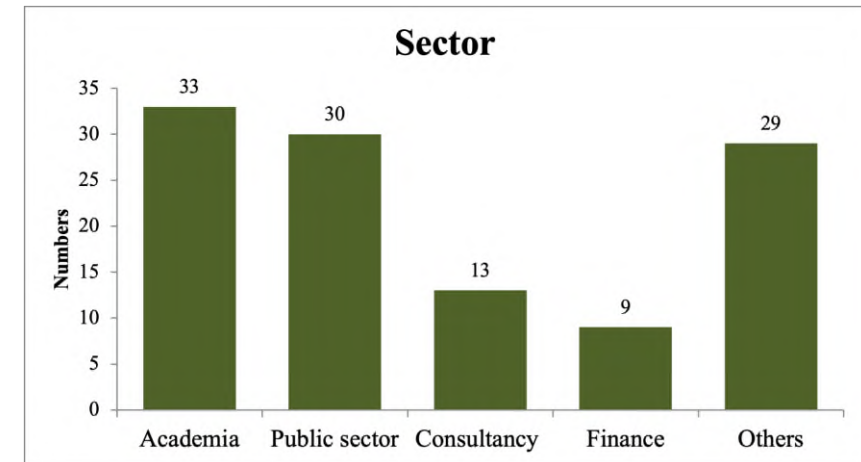
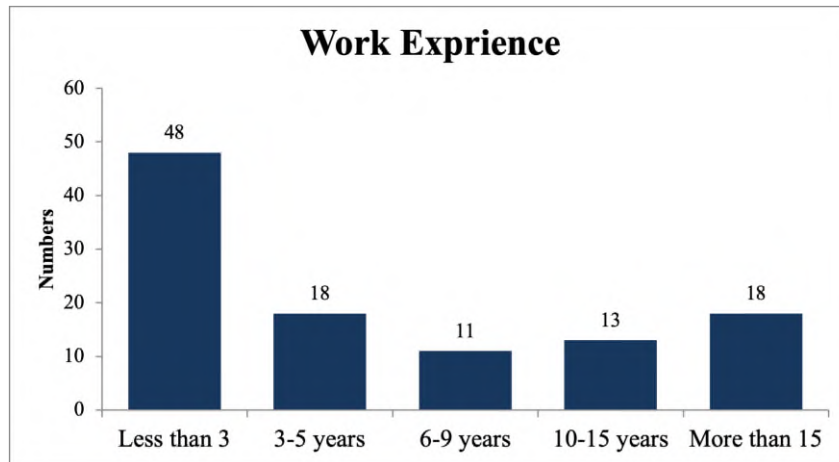
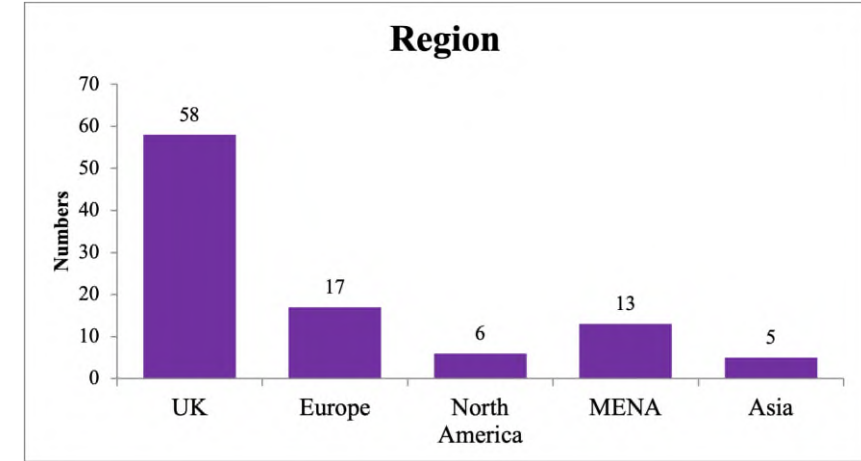
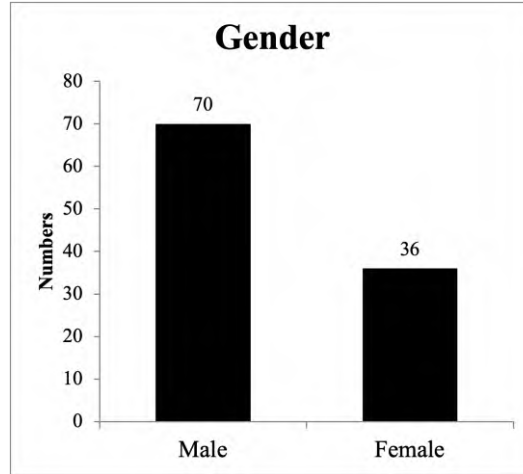


Survey: How are professional economists  
using AI at work?

114 Respondents

*with economics degrees  
who are now working*

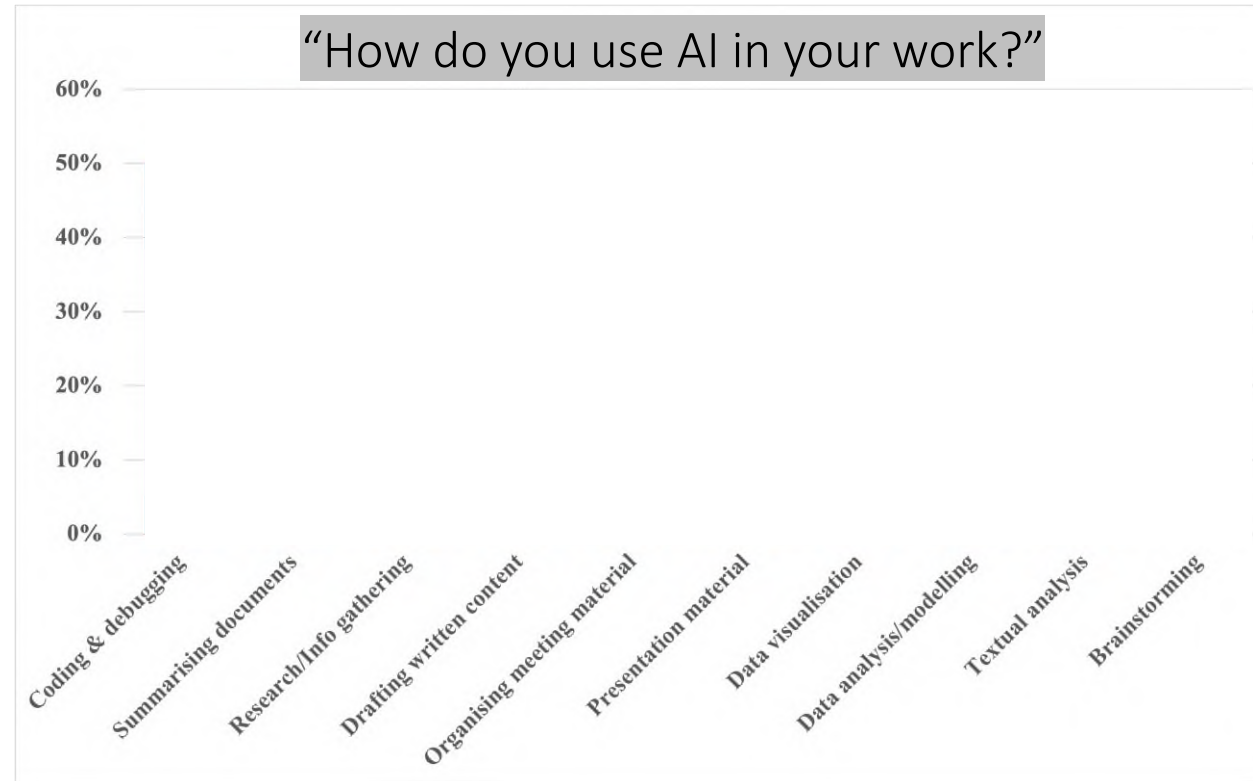
# What is happening in the workplace?



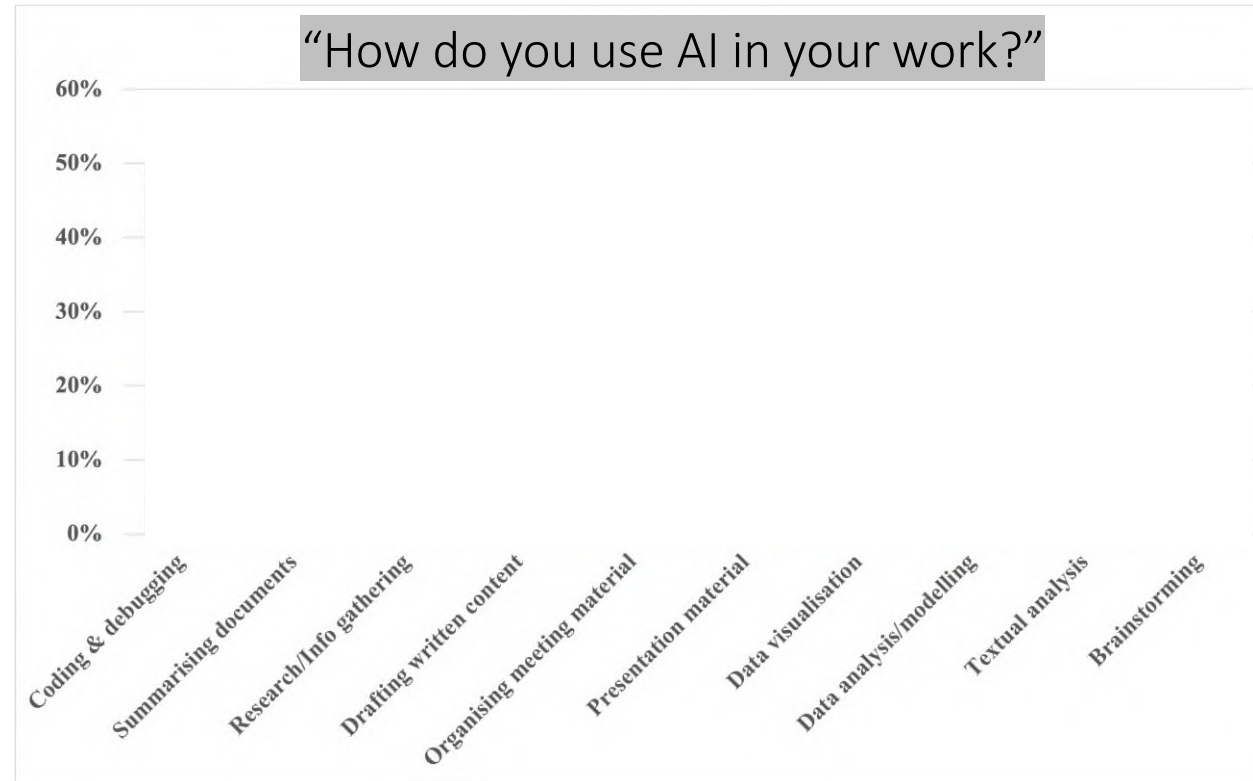
# What is happening in the workplace?

“How do you use AI in your work?”

# What is happening in the workplace?



# What is happening in the workplace?

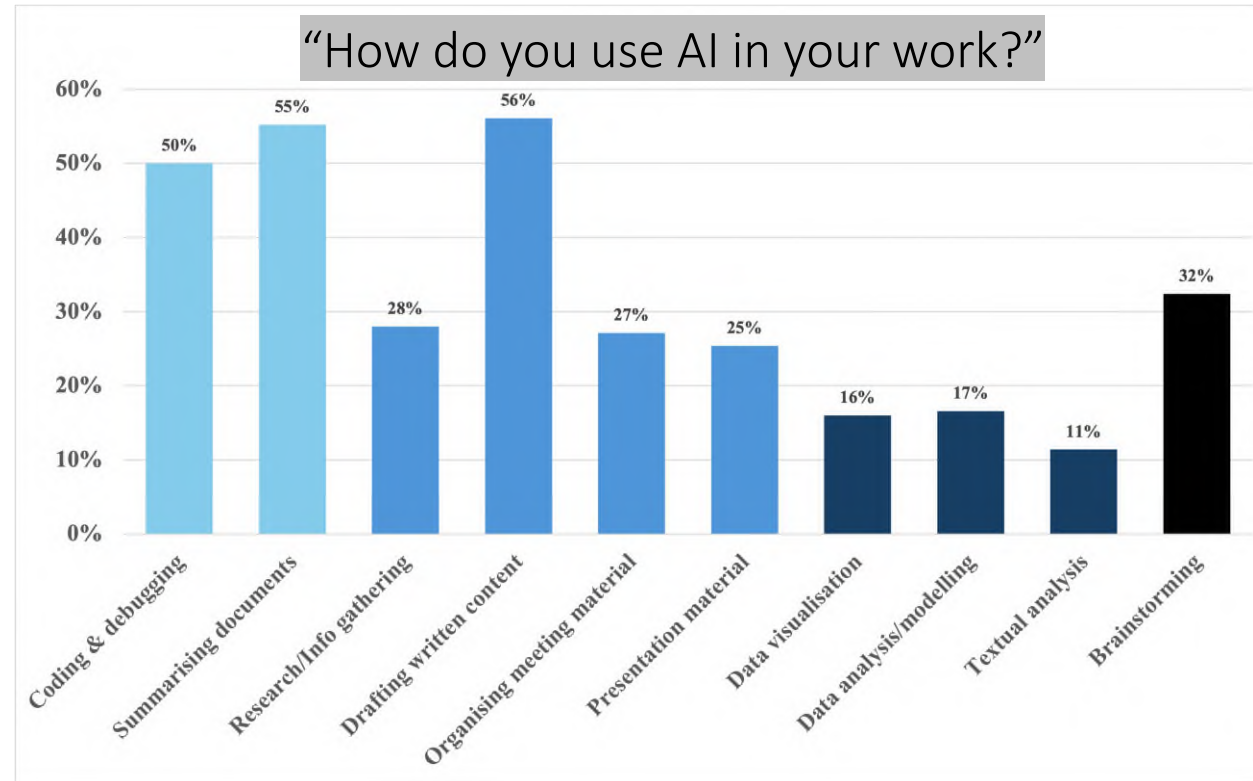


Analytically narrow  
(Well defined)



Analytically broad  
(Open ended)

# What is happening in the workplace?



Analytically narrow  
(Well defined)



Analytically broad  
(Open ended)

# What is happening in the workplace?

“What is the most important use of AI for you at work?”

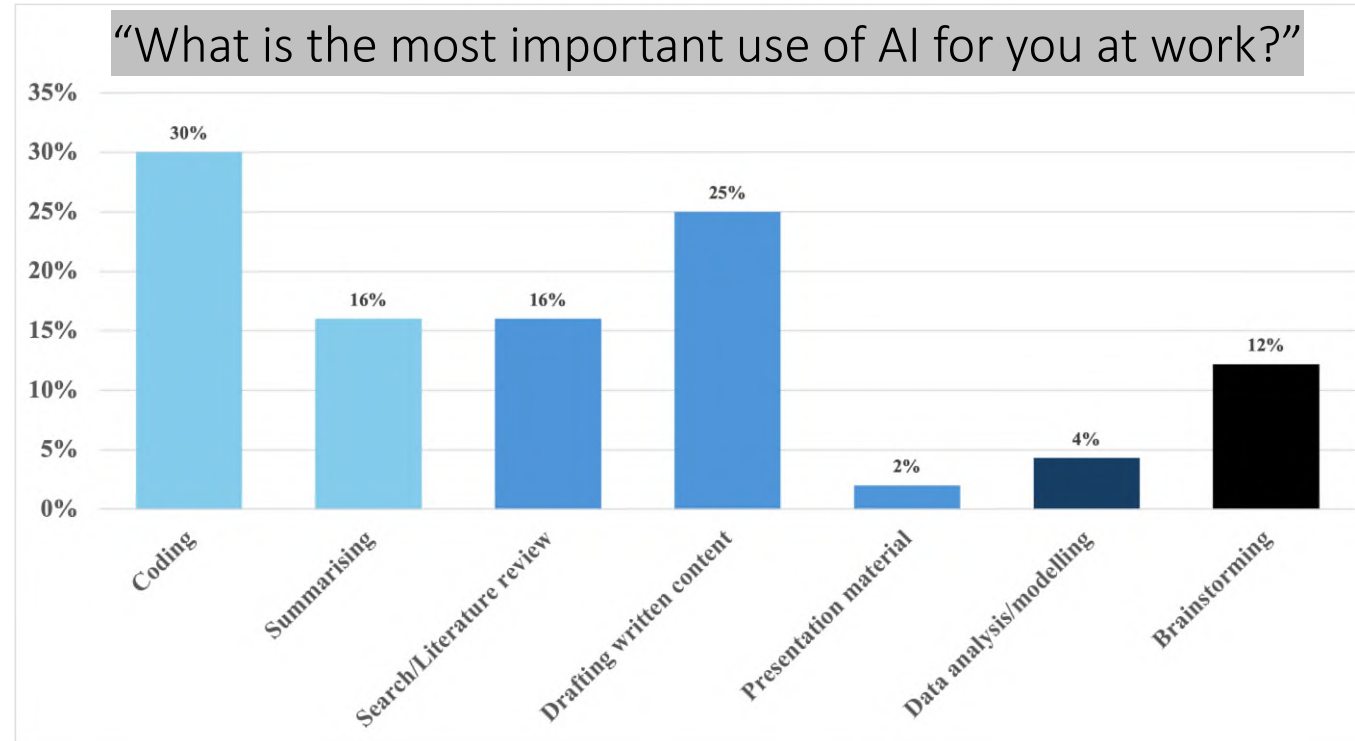
# What is happening in the workplace?

“What is the most important use of AI for you at work?”





# What is happening in the workplace?



Analytically narrow  
(Well defined)



Analytically broad  
(Open ended)

# What is happening in the workplace?

Takeaway 1: Economists are using AI in wide variety of tasks



As a Tool



As a Research assistant/  
Executive assistant/  
Comms manager

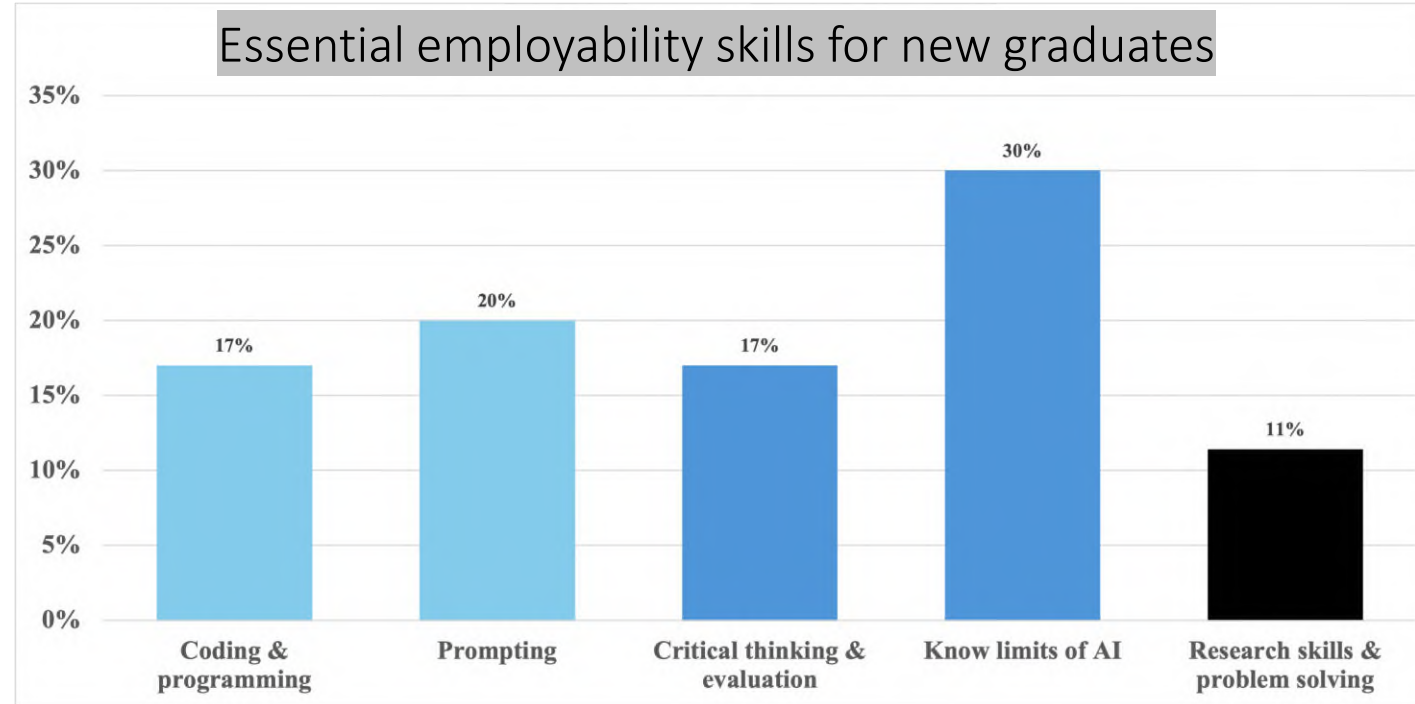


As a Co-problem  
Solver

# What is happening in the workplace?

Essential employability skills for new graduates

# What is happening in the workplace?

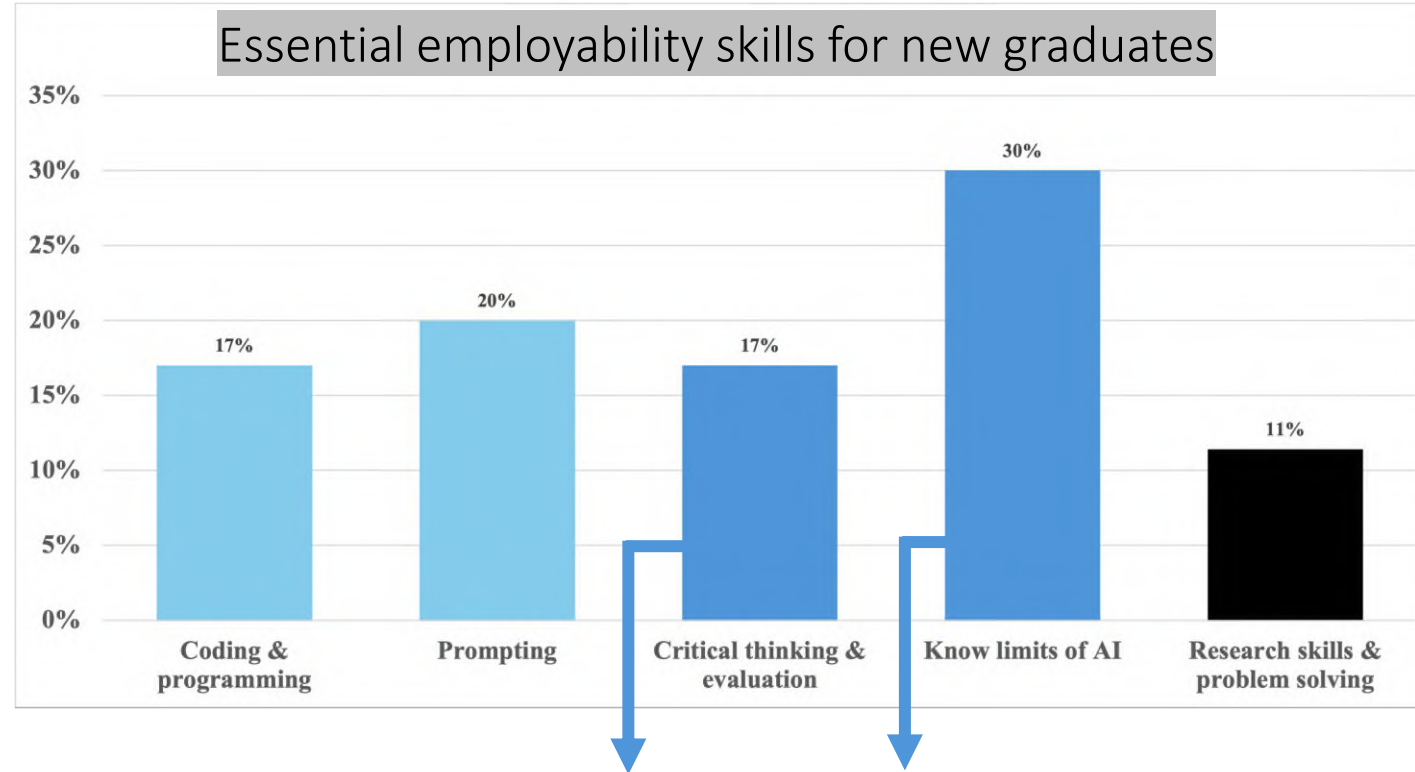


Analytically narrow  
(Well defined)



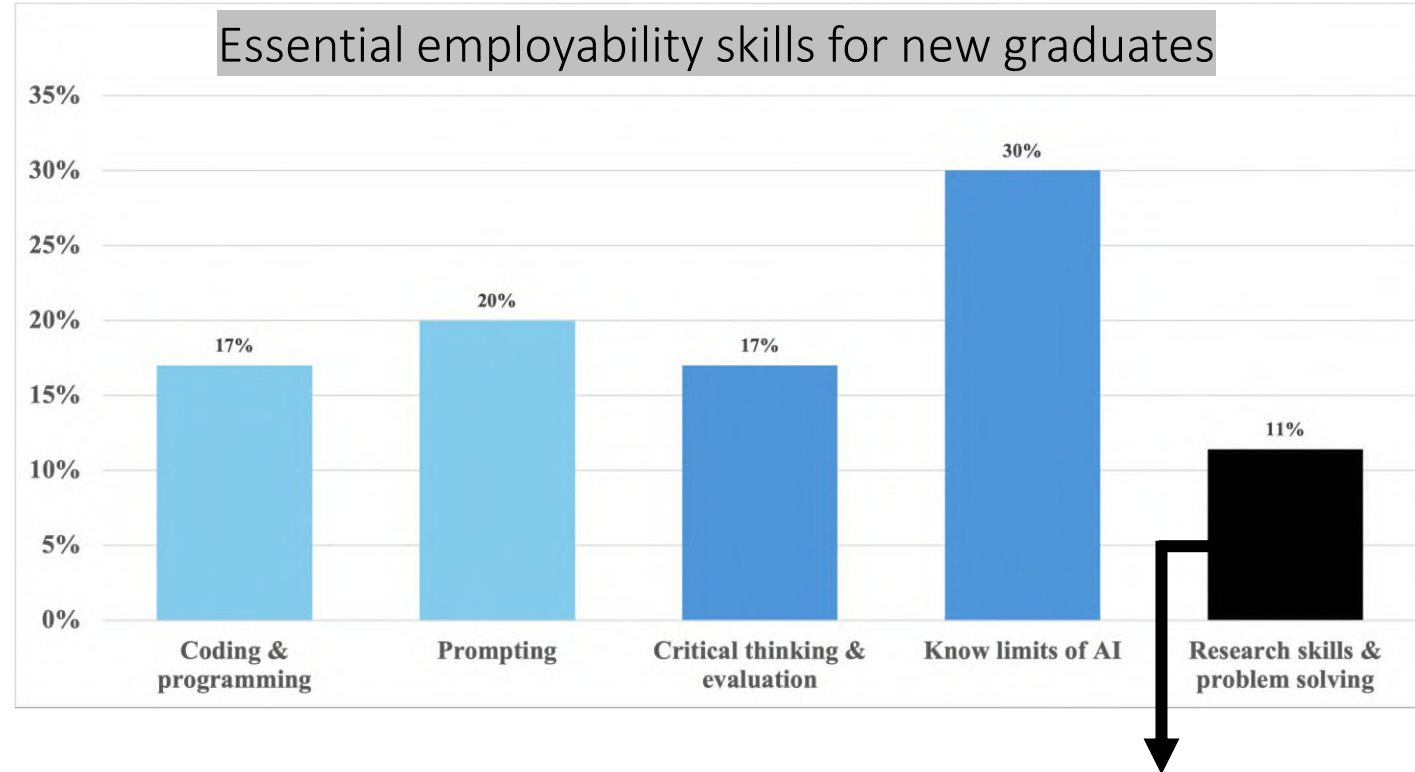
Analytically broad  
(Open ended)

# What is happening in the workplace?



“Know how to use AI as an assistant tool, without excessively relying on that (still be able to double check, have a critical attitude on the outcome proposed)”

# What is happening in the workplace?



“Ability to figure out how to solve problems themselves. Especially related to data and modelling”.

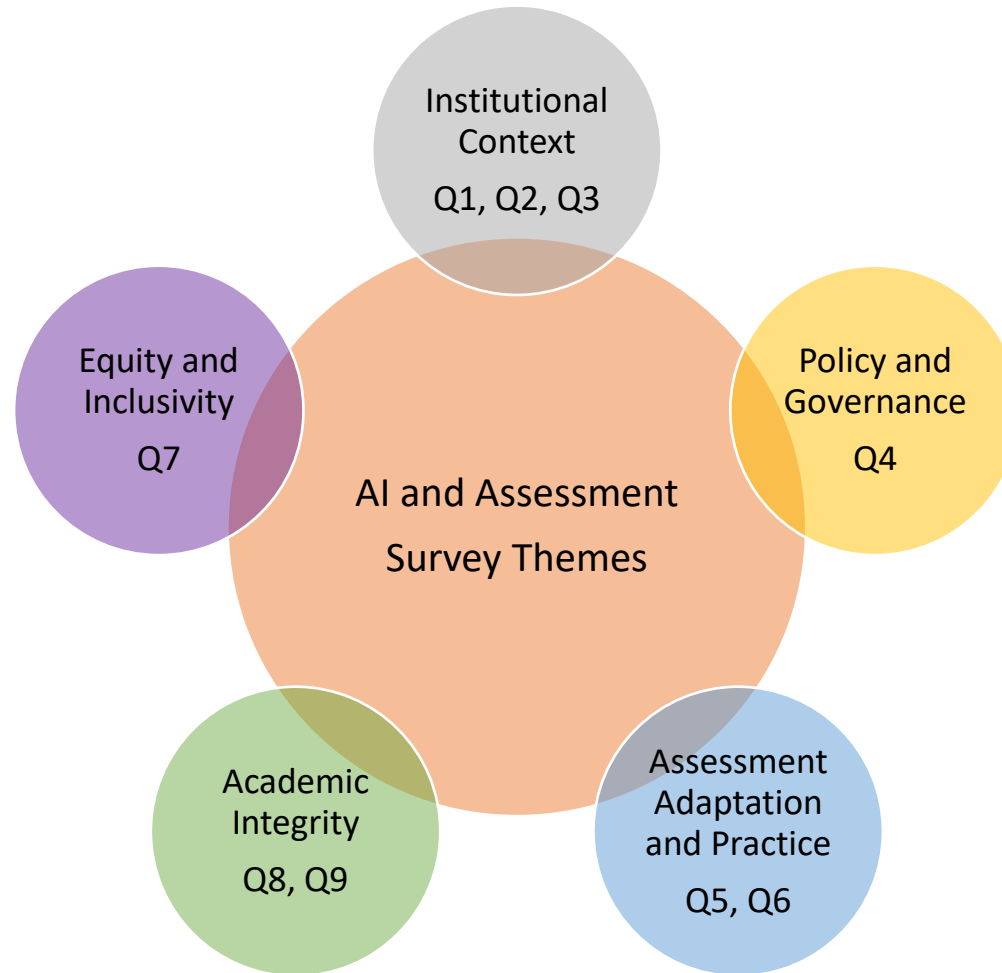
# What is happening in the workplace?

## Takeaway 2: One Skill to Teach if AI Can Do Everything Else

- The key skill is problem formulation and critical thinking—students must learn to ask the right questions, judge AI responses, and maintain intellectual integrity.
- Collaboration, communication, and ethical responsibility will remain core human strengths.

# What is happening in universities?

## Survey themes



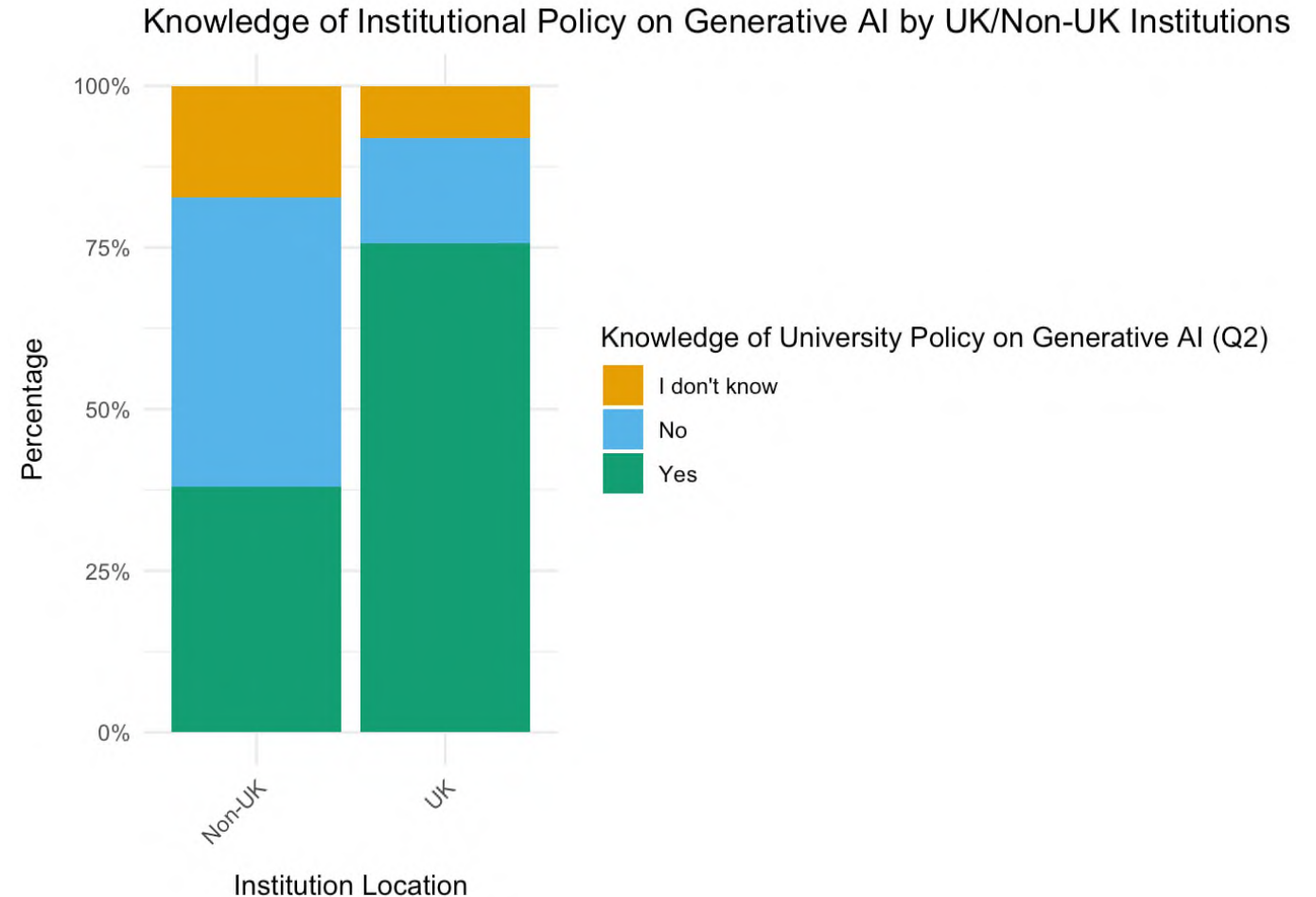


# What is happening in universities?

## Q2: University policy on the use of Gen AI for assessment

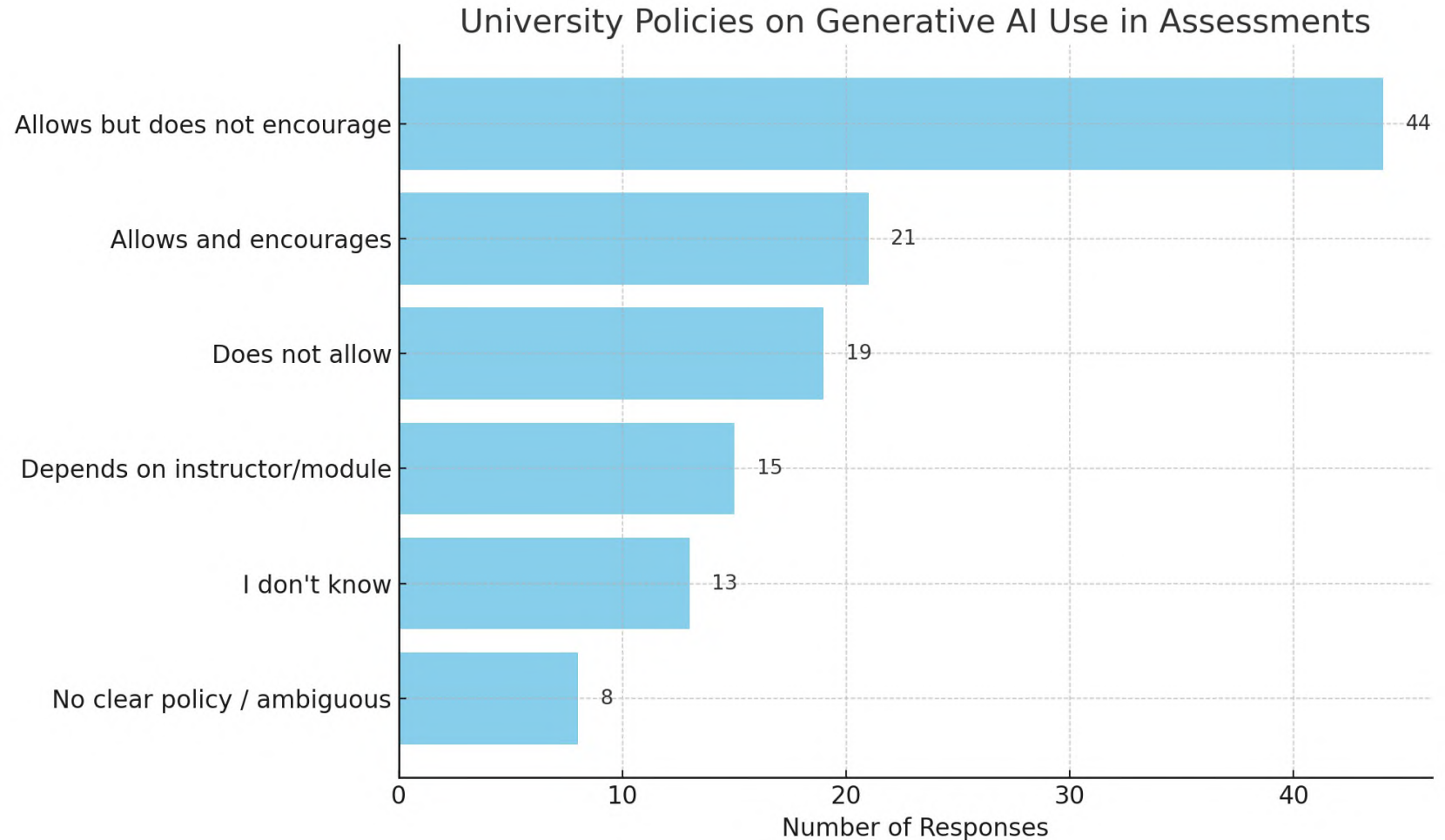
Academics of UK universities were better informed than those of non-UK universities about Institutional Policy on GenAI.

A significant number of academics did not know of a university policy on gen AI (especially non-UK)



# What is happening in universities?

## Q3: Does your university ...



# What is happening in universities?

## Q6: How have assessments changed

A slightly greater proportion of non-UK academics reported designing around AI weaknesses.

About 20% of UK academics reported a return to in-person or more authentic assessments.

The largest change in both types of institutions was to design assessments that are more AI-proof

Codes	Is your institution based in the UK = No (n=29)	Is your institution based in the UK = Yes (n=74)	Total (n=103)
<input type="radio"/> Critical Thinking, Analysis and Reflection	12.5%	13.33%	<b>13.16%</b>
<input type="radio"/> Curricular Anchoring	6.25%	13.33%	<b>11.84%</b>
<input type="radio"/> Designing Around AI Weaknesses	<b>37.5%</b>	<b>28.33%</b>	<b>30.26%</b>
<input type="radio"/> Incorporating AI Critique and Meta-Use	12.5%	10%	<b>10.53%</b>
<input type="radio"/> No Assessment Changes	12.5%	6.67%	<b>7.89%</b>
<input type="radio"/> Return to In-Person a...thentic" Assessments	12.5%	20%	<b>18.42%</b>
<input type="radio"/> Testing Questions and Expectations	6.25%	8.33%	<b>7.89%</b>
<b>Total</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>

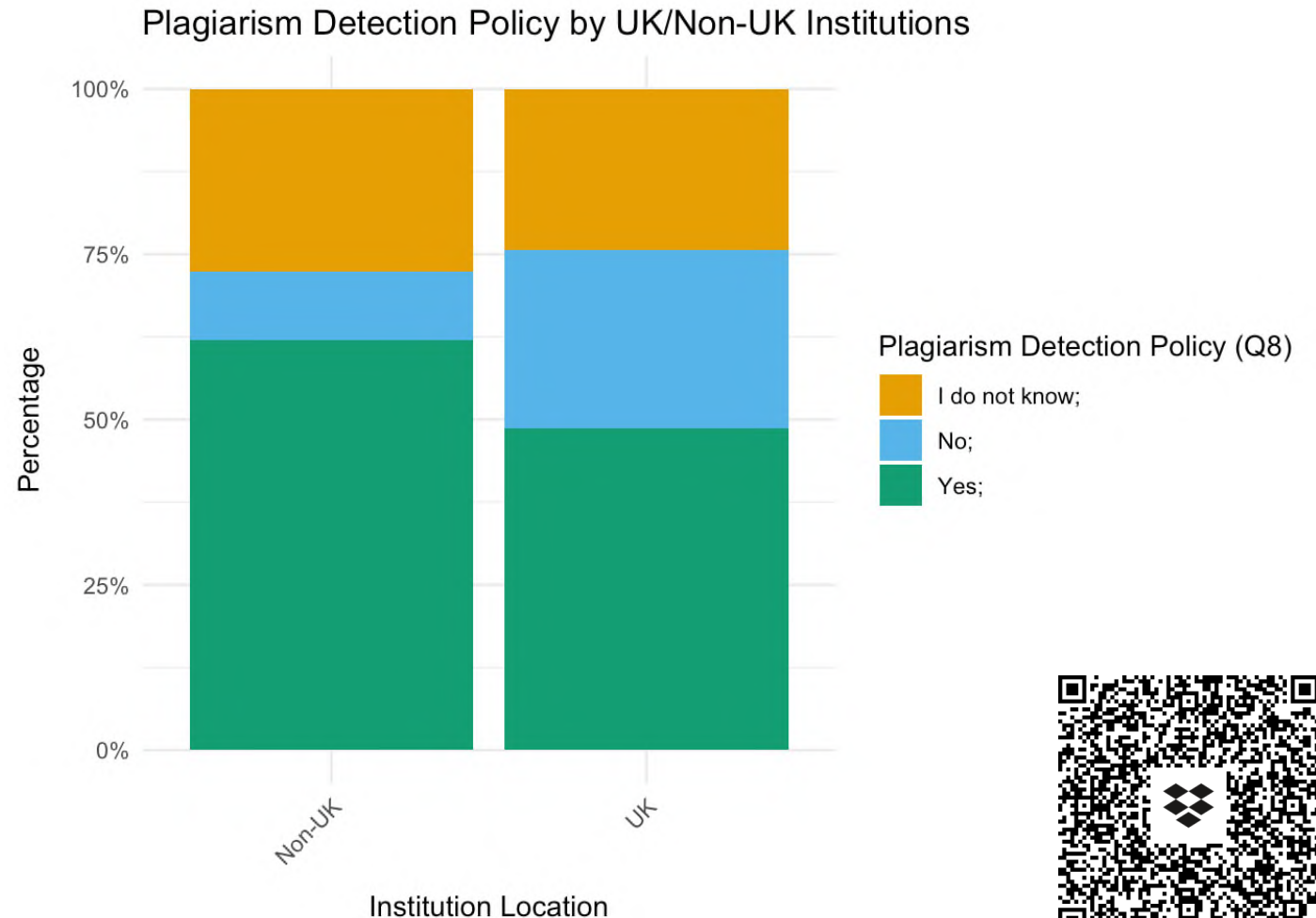


# What is happening in universities?

## Q8: Plagiarism detection tools

In UK universities a far greater proportion of academics are not allowed to use plagiarism detection tools to detect the use of generative AI.

However, a surprising high proportion (about 50%) is allowed to use plagiarism detection tools in both UK and non-UK universities.



## 1. Assessment is our main lever

- Assessment is one of the few things universities still have agency over. If we want our degrees to remain credible, we must rethink what we assess and how.
- Assessment design reform – two-lane approach, diversified assessment.
- Stay connected with our students' futures – employer boards, alumni feedback

## 2. Design for integrity, not detection

- Fears around academic integrity aren't new—similar concerns arose with the internet.
- Designing learning that embraces GenAI, rather than trying to “catch” students, has to be the way forward.
- AI detection is unreliable and inequitable. Instead, we must crowdsource solutions, embed AI literacy, and focus on what we want students to learn.



## 3. No borders but no one-size-fits-all

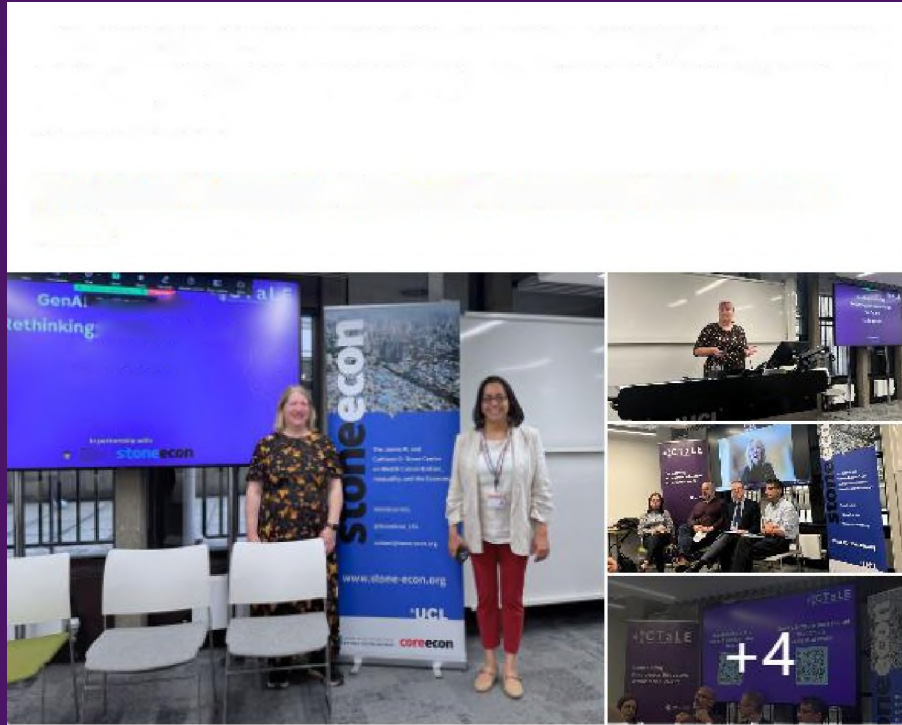
- Institution-specific rules won't suffice. We need shared principles, ethical frameworks, and communities of practice (rather than just training) that span disciplines and geographies.
- Inclusivity, accessibility and AI literacy—for staff and students - is central.

## 4. Assessment reform needs resource ... but GenAI can help.

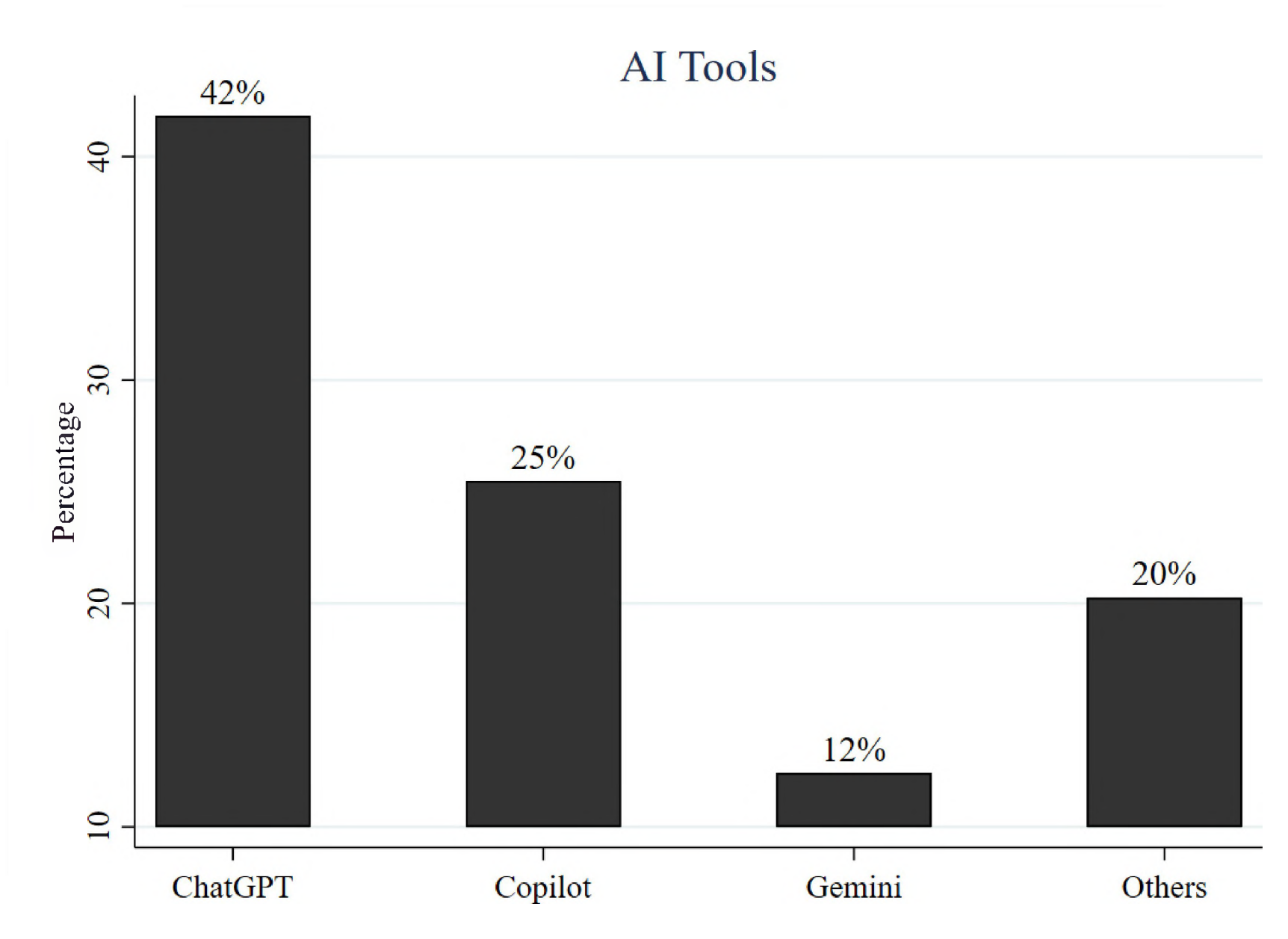
- From designing assessments to providing feedback, GenAI can help lighten the load.
- But we must tread carefully—especially when it comes to student data.
-

# Thank you

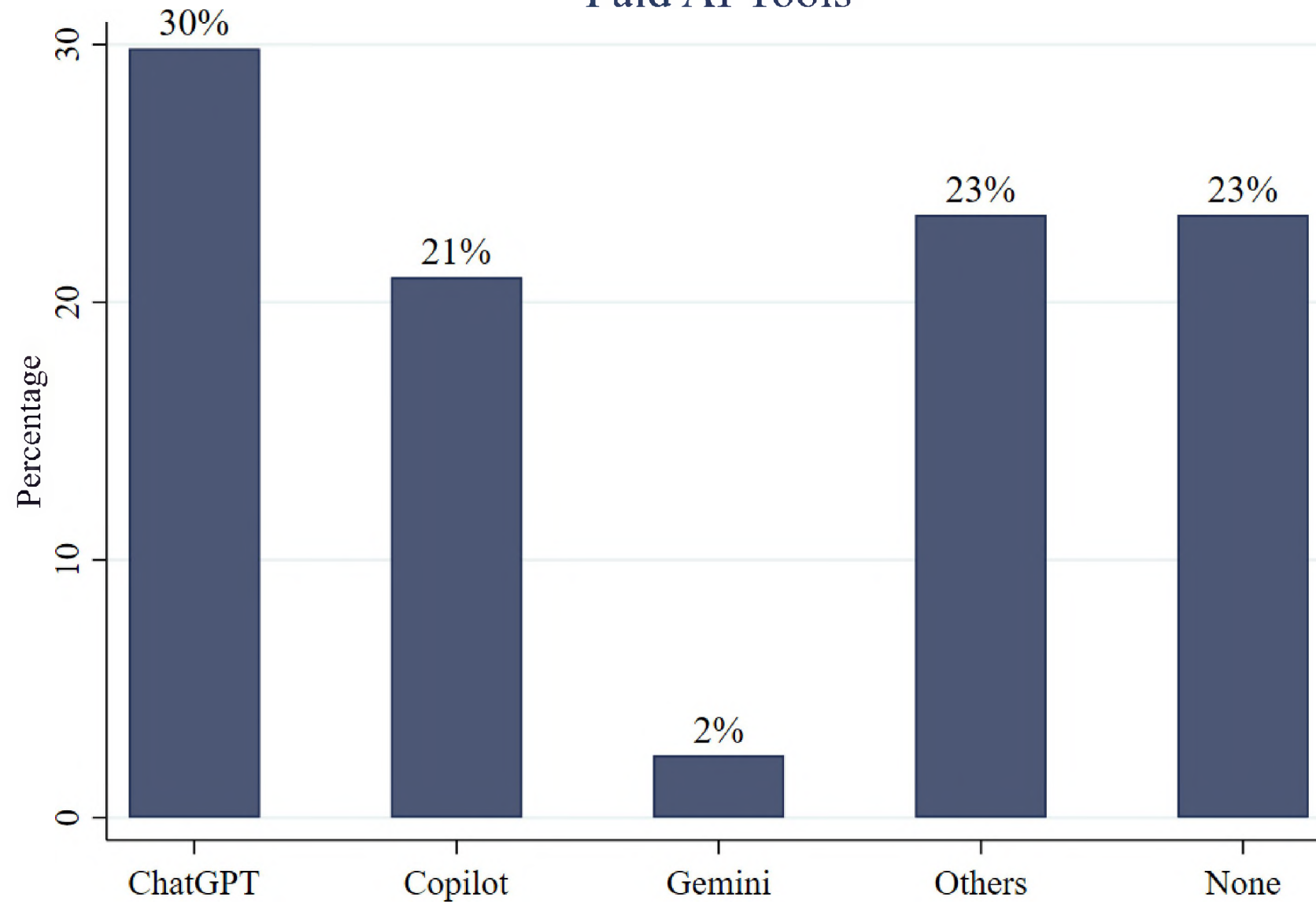
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# Appendix



## Paid AI Tools

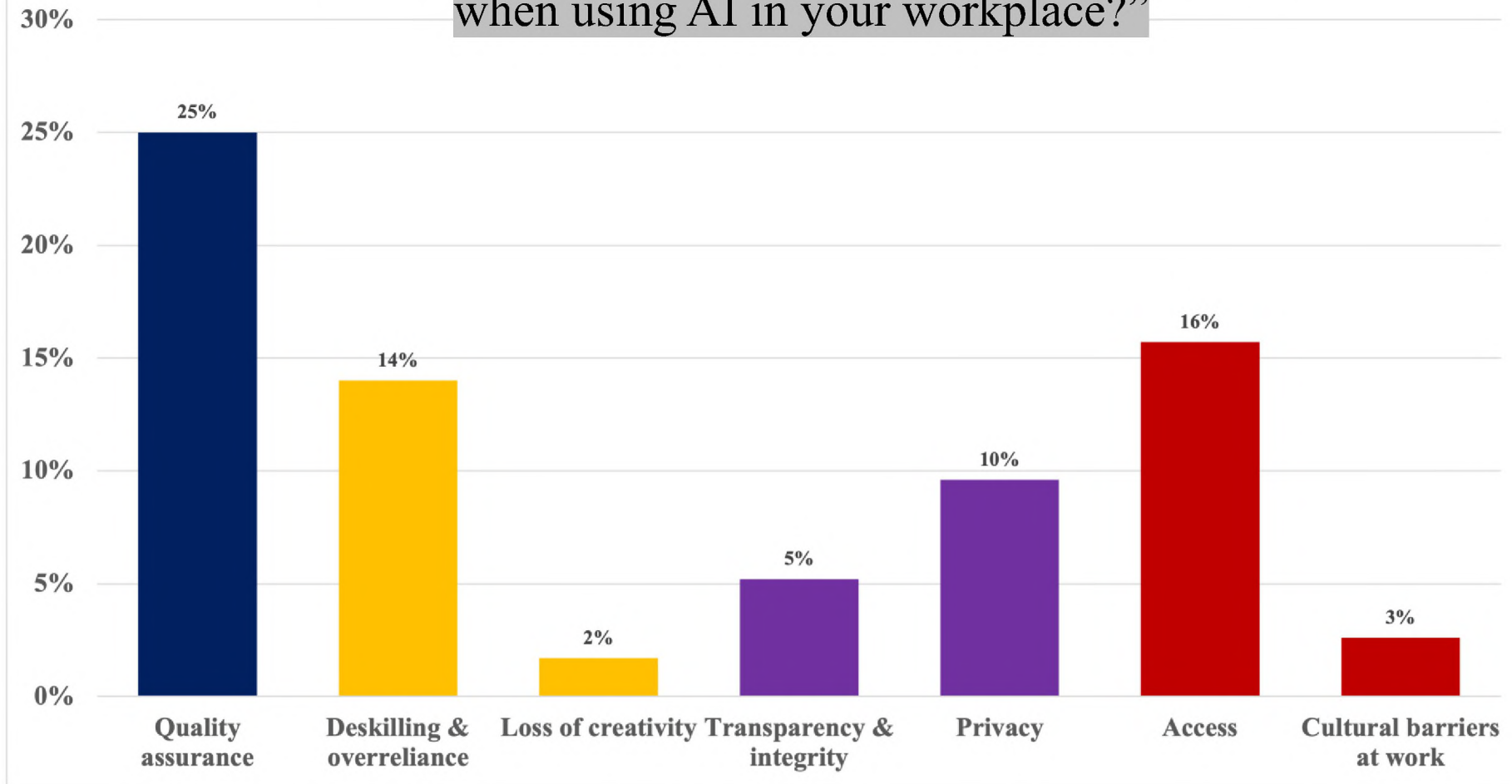




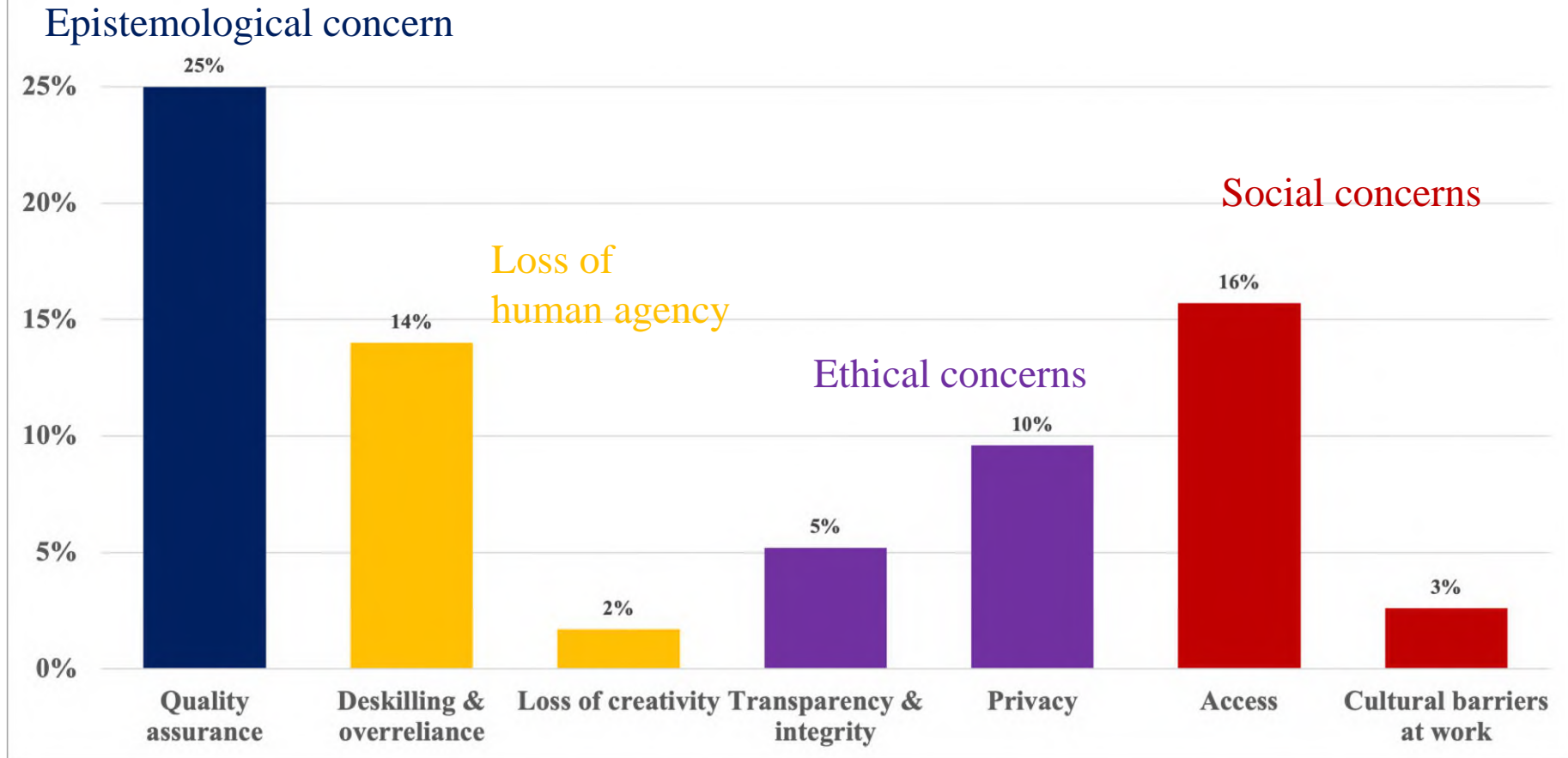
Organisational AI-usage guidelines

Guideline	Percentage
No official guidelines have been established by the organisation yet	25 %
Only approved AI tools can be used	31 %
AI can be used for some sensitive activities (eg, emails) but not to produce content	9 %
AI can be used to produce content but must be reviewed by a human before use	17 %
AI tools are banned entirely in the workplace	1 %
Other	8 %

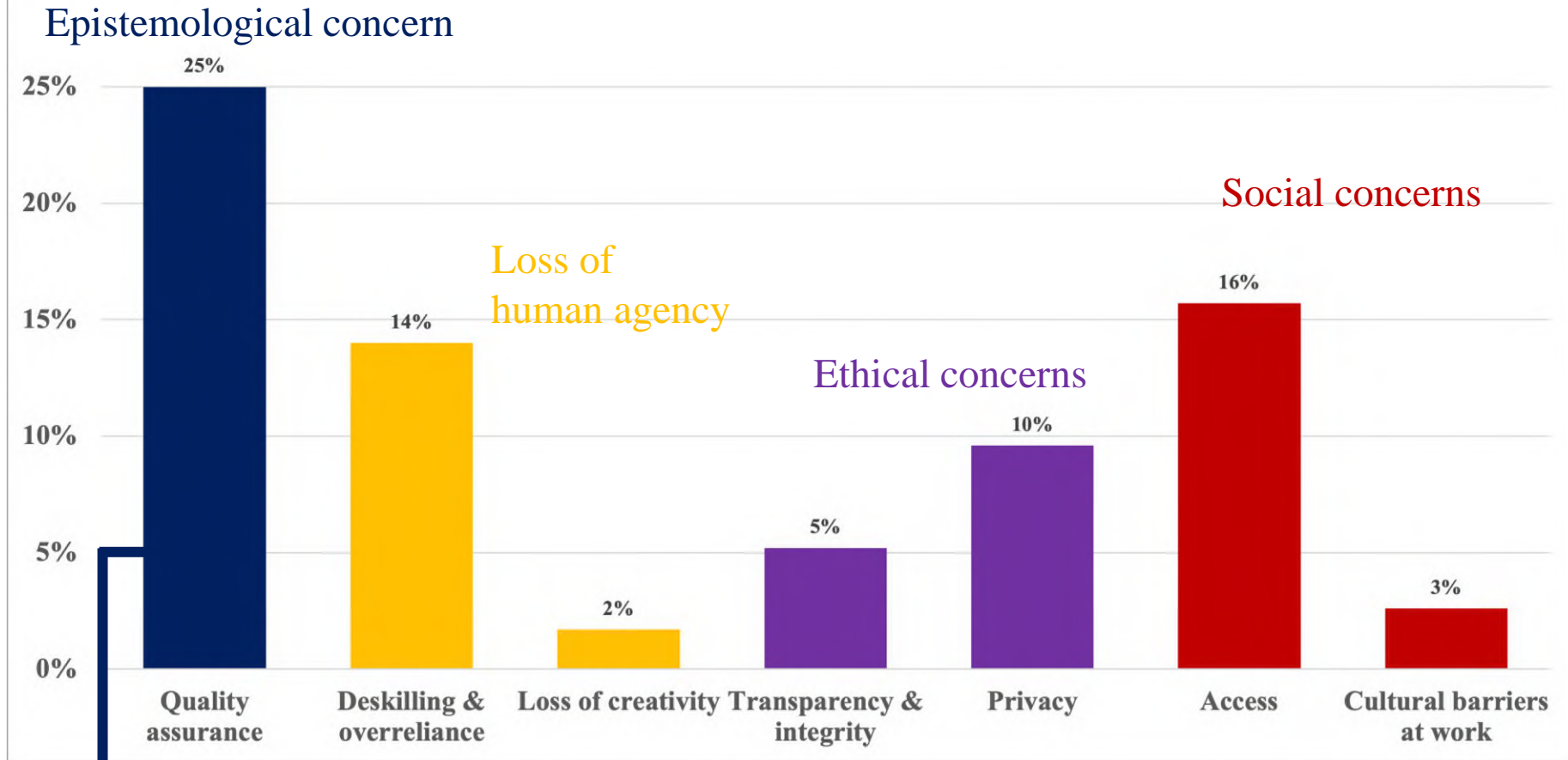
**“What challenges do you or your colleagues face  
when using AI in your workplace?”**



“What challenges do you or your colleagues face when using AI in your workplace?”

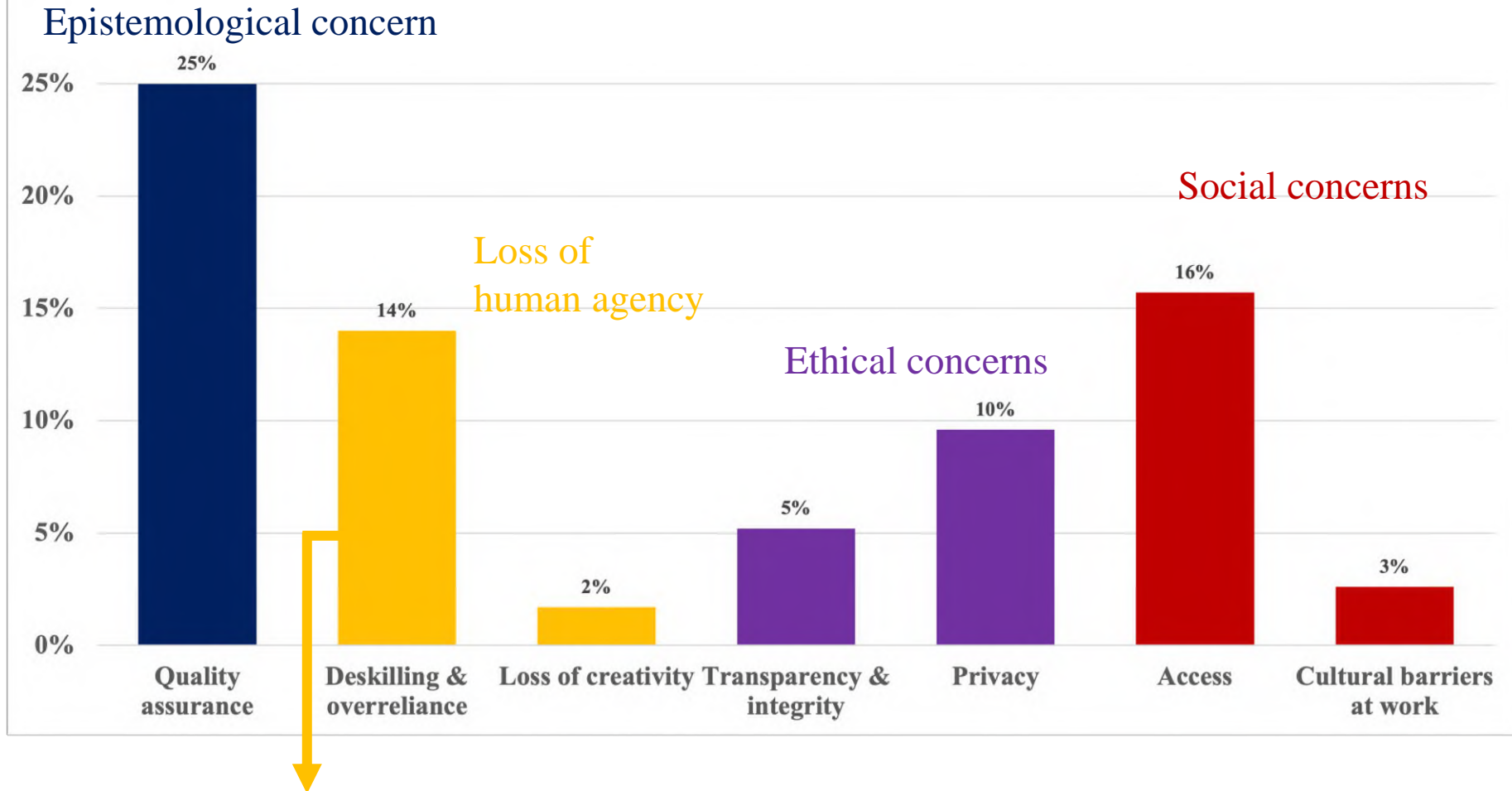


“What challenges do you or your colleagues face when using AI in your workplace?”



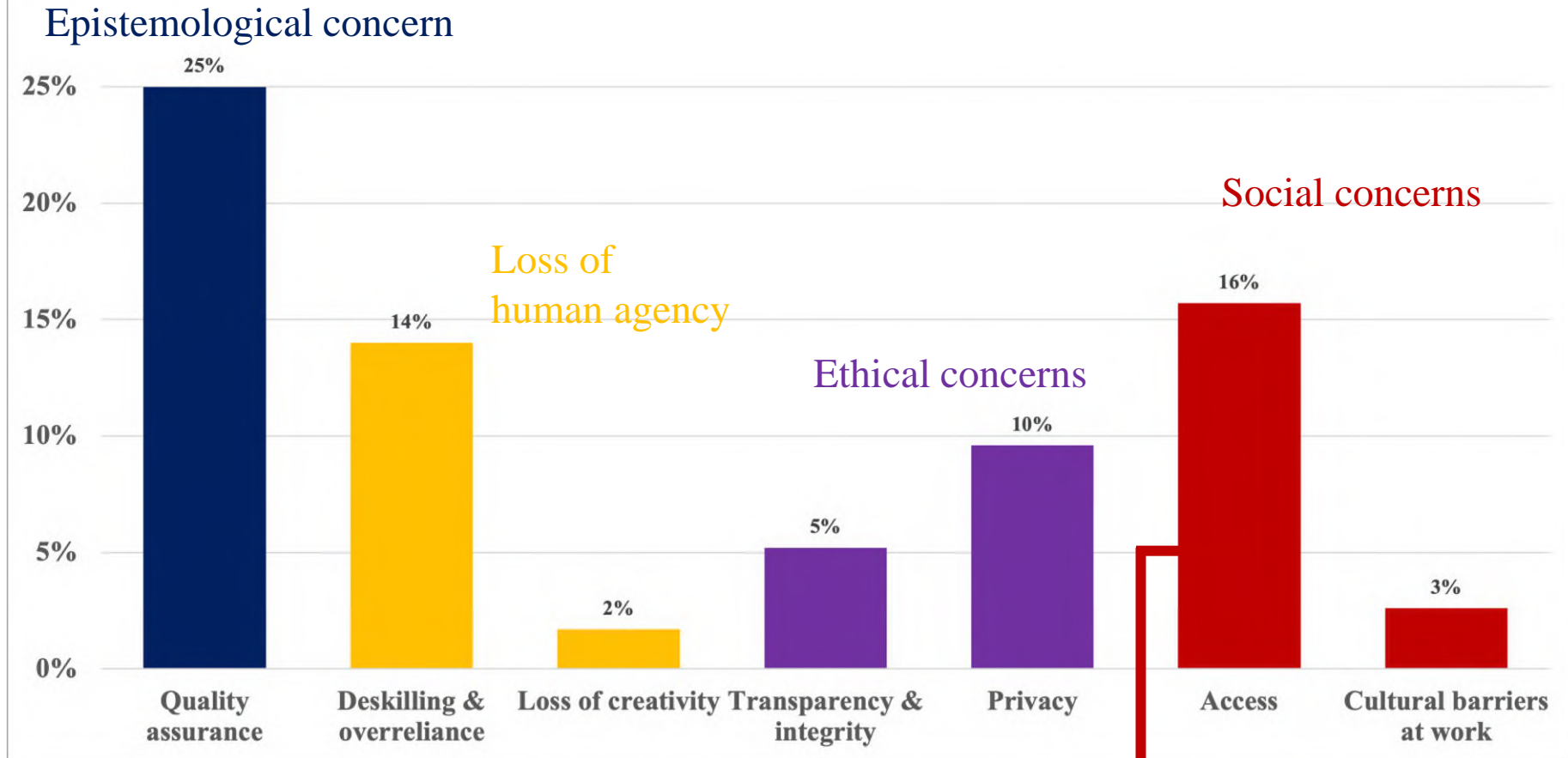
“Hallucinations and inaccurate information”

“What challenges do you or your colleagues face when using AI in your workplace?”



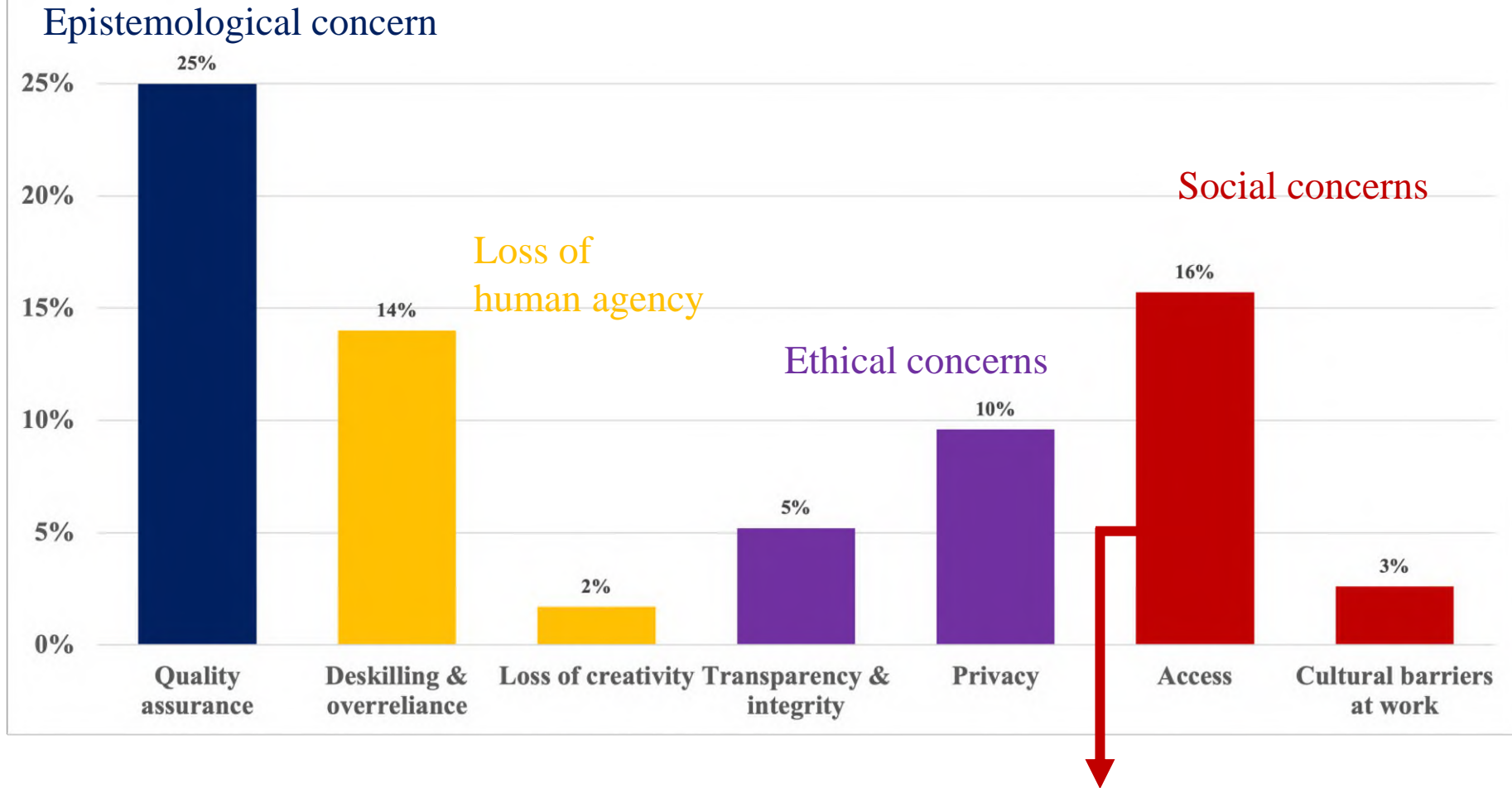
“It’s important to know when it’s appropriate to use and when it’s not. Not everyone understands where this line is drawn and that can be difficult to navigate”.

“What challenges do you or your colleagues face when using AI in your workplace?”



“Not having access to the latest models with the most advanced features”

“What challenges do you or your colleagues face when using AI in your workplace?”



“Government is slow to roll out the use of it.”



# Finding 2: Challenges when using AI

- Epistemological (Quality assurance)
- Loss of human agency (Deskilling, No creativity)
- Ethical (Transparency, Privacy)
- Social (Access, Cultural barriers)



# I-LEAD

REIMAGINING  
BUSINESS EDUCATION

# THE FUTURE OF LEARNING & TEACHING

# JOIN OUR MAILING LIST FOR UPCOMING NEWS AND EVENTS





The background of the slide is a dark field filled with a dense, repeating pattern of small triangles. These triangles are in various shades of teal, green, and purple, creating a textured, mosaic-like effect.

# Reimagining Employability: Reflection, Creativity and Career Readiness in an MSc Programme

**Zahra Abdulla, SFHEA**

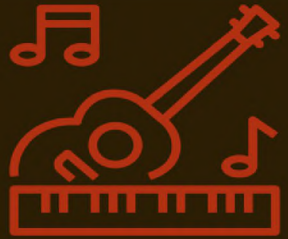
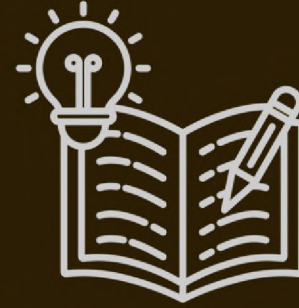
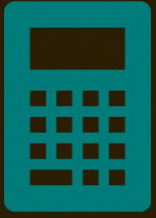
**[zahra.abdulla@kcl.ac.uk](mailto:zahra.abdulla@kcl.ac.uk)**

Reimagining Education: The Future of Learning & Teaching

I-Lead Conference



# About Me



**Vision**



**Evolution**



**Future**



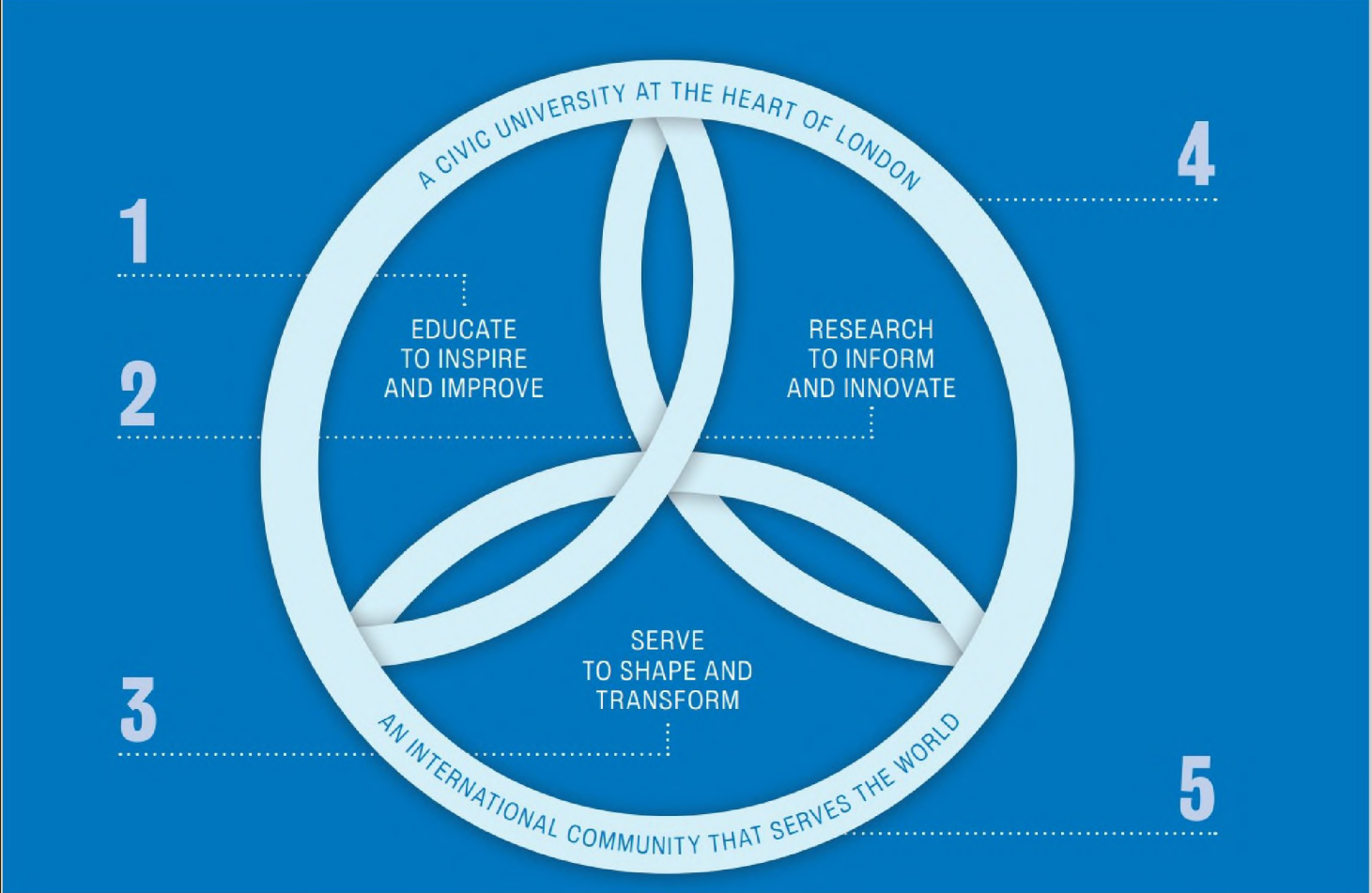
# The ASMHI Programme



- Skills Training in a new, exciting field of health Data science training
  - Applied Statistical Modelling and Health Informatics
- Research Informed and backed
- Graduates who will shape and transform the industry.



# EDUCATION STRATEGY 2017-22





**Curiosity**



**Lifelong  
Learning**

**World Economic Forum 2018  
Most Desired Skills**

**Leadership**

**Technological  
Literacy**

**Emotional  
Intelligence**

**Resilience  
Agility**

**Creativity**



**Analytical  
Thinking**

# The ASMHI ePortfolio

- A programme-level summative assessment
- Pass/Fail
- Reflect on the academic journey, in particular, what skills students have developed
- Vision
  - Something they could share with potential supervisors and employers
  - Build skills stories they can share at interviews
  - Create strong skill statements for CV's and applications
  - Build a portfolio of achievements.
  - Showcase more than technological skills.

# Reflective Practice for Employability: Pedagogical Underpinning

*“Active reflective practice enables personal development, self-awareness, and engagement with real experiences.”*

– Alharahsheh & Abraham (2019)

*Reflective writing... fosters employability and encourages students to reflect on professional practice.”*

– Ross et al. (2023)

*“Reflective frameworks serve as valuable tools... leading to an increase in self-awareness and self-efficacy”.*

- Ali et al. (2024)

**Vision**



**Evolution**



**Future**



# The ASMHI ePortfolio 2019/2020



2019/2020

2020/2021

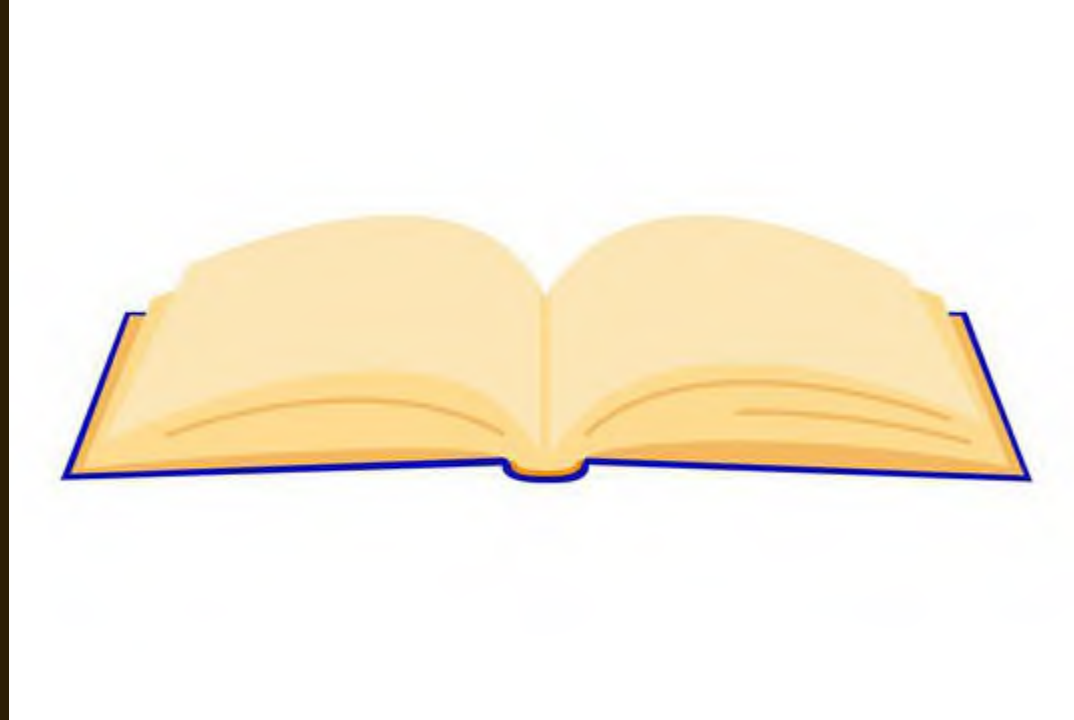
2021/2022

2022/2023

2023/2024



# The ASMHI ePortfolio 2020/21



2019/2020

2020/2021

2021/2022

2022/2023

2023/2024



## Welcome!

Welcome to my e-portfolio! The next few pages will give you a glimpse of my experiences throughout this past year as student in Applied Statistical Modelling and Health Informatics at KCL, as well as some additional background information regarding my previous academic and professional experiences.

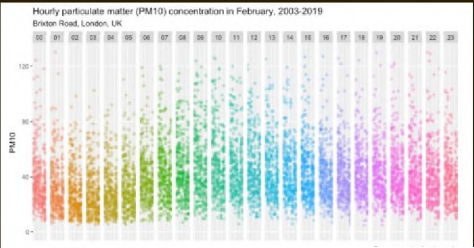
(Below is an outline the next few pages (in order))

### Part 1: Background

- About Me
- Cover Letter
- CV

### Part 2: Module Reflections & Skills/Competencies Gained

- Introduction to Statistical Programming
- Introduction to Statistical Modelling
- Introduction to Prediction Modelling
- Contemporary Psychometrics
- Introduction to Health Informatics
- Machine Learning for Health & Bioinformatics
- Clinical Trials
- Computational Neuroscience
- Research Project



## Placeholder

- Tuesday: Routine Support on 12 December 2019, 13:14
- Last updated: 4 April 2020, 13:14
- Tags: journal

## HOW IT STARTED...

Moving to another city in the middle of a pandemic, let alone country, can be and is daunting. The same applies to begin studying for a MSc. Applied statistical modelling and health informatics in an unfamiliar field. Some will call it madness or a career change, whereas I will call it personal development and growth. With limited prior knowledge of R, Python and Stata the first module "Introduction to statistical programming" was intimidating at first, especially R and its unfamiliar programming language. Python was also challenging and one week to master each module just felt a little bit overwhelming. Stata was from my perspective the "easiest" to learn and understand within a week, but not without problems. The reason why Stata felt "easier" is because I had acquired basic transferable computing skills, become more confident with the programming language and gained a better understanding of basic data analytics by working vigorously through the R and Python lectures, practicals and assignments. Lockdown also made this a bit harder because, as an international student, you rely on social activities by KCL, SU (King's College London Student Union) to meet others, since your support network is based back home and/or is limited as you just moved to the city. On the flipside, I got to focus on the module assignments in R, Python and Stata, and after hours of frustration, hard work and searching for information and/or help from lecturers, Google, GitHub or social overflow, I am proud to say I got a distinction. Not bad with a limited programming experience. Up next is the module "Introduction to statistical modelling" which can be quite challenging as my knowledge of statistics is very limited.

# Examples

## A little about me.

I was born and bred in Yorkshire, I moved to London to study psychology and stayed to work in psychological research. In my field of research I found myself constantly coming up against problems that could not be solved with my training in traditional statistics. This is when I started getting interested in Big Data and decided to further my education in statistics.

Education	Achievements
Statistical Modelling and Health Informatics (SMHI) at Kings London 1st year 15/07/2019	Academic Achievement Award 26/03/2024
Big Data at University of Westsustar 15/07/2019	Volunteering Bull of Honor 26/03/2024

My career aspiration is to be a data scientist with a focus on mental health. I believe that big data in mental health is an area that will only grow in significance and whether it is in academia or industry I want to be at the forefront of this.

## Work Experience

- 1st Assistant at The Institute of Psychiatry, Psychology & Neuroscience  
15/07/2019
- 2nd Assistant at Imperial College London  
15/07/2019
- 3rd Developer at My Web World Ltd  
15/07/2019
- 4th Assistant at The Institute of Psychiatry, Psychology & Neuroscience  
15/07/2019

## Reflective learning on the first core module.

### Module Aims and Description

Introduction to Statistical Programming (ISP) was the first compulsory module of the MSc and aimed to introduce us to three programming languages: **R, Python and Stata**. Apart from this theoretical basis, we had the opportunity to apply the knowledge to a variety of practical problems.

It took place throughout a period of **6 weeks**: 2 weeks for each programming language. **Pre-recorded lectures** were assigned throughout weeks 1, 3 and 5, which involved regular practical, **synchronous sessions**. During these we had the opportunity to practise what was covered in the prerecorded lectures, ask questions and gain useful experience on the programming language.

Every second week we applied knowledge and skills learned in the previous week to an assignment. **Assignments** tested our understanding, ability to identify and put into practice general programming concepts and language specific ones according to exercises given. Exercises ranged from simpler **basic concepts to real world survey analysis**. They were also an opportunity to practise further independent learning and search of appropriate approaches to problems.

### Experience and Progress

As a student with a mathematics undergraduate background, **my coding skills were limited** and last practised long before this module begins. Undoubtedly, the thought of learning even the basics of 3 programming languages in one module seemed scary but at the same time **challenging and exciting**.

I knew I was about to gain precious transferable skills that would make me more capable of following my career aspirations - **I wanted to learn**. Teaching weeks were intense and required **consistency** and **persistence**. At the same time they were very **insightful** and promising, as the fast pace allowed concepts ranging from data types and control flows to data manipulation, processing and analysis to be covered.

The assignments were challenging at parts, but through revision of lectures, great support from lecturers and some self study to extend or clarify topics, **I did my best** which left me with the common feeling of **happiness** when a program works!

### Knowledge, Skills & Attributes Gained

It was definitely a beneficial course - I can see why we had to do it at the beginning. It equipped me with the **theoretical programming underpinnings** to be used in the rest of the modules and, consequently, in future careers.

Specifically, useful basics covered were conditionals, iterations and functions which were important in **processing data and solving particular data manipulation problems**. Identifying the **appropriate methods** helped formulate the solutions. Self study and assignments strengthened my **Independence** in R, Python and Stata use, through finding help online and selecting appropriate packages. I could already see how programming could be **applied in real life** for data manipulation, as well as **interpretation** through visual means and different kinds of plots.

Consequently, apart from confidence in **handling data** and IT skills, I developed a **methodological approach** to problem solving and strengthened my **analytical, constructive and organisational** skills.

## KASE and Reflection

The module covers all major steps of developing and assessing a clinical prediction model, including study design and data preparation, the problem of over-fitting in regression models, how to overcome over-fitting using penalized regression and cross-validation methods, how to deal with missing data, performance assessment and clinical usefulness of a model. I have learned Core Knowledge as below during Prediction Modelling course.

### Clinical Prediction Models

- inform health care providers and patients about 1. the risk of developing an disease, 2. the risk of the presence of a disease and 3. about the future course of an illness based on currently available information about the patient

### Main types of clinical prediction models

1. Risk prediction models
2. Diagnostic models
3. a) Prognostic models (untreated)
4. b) Prognostic or Prediction models (treated) • predicts likely benefit of treatment (Personalized medicine)

### Development (7 Steps of development)

1. Research question and initial data inspection
2. Coding of predictors
3. Model specification
4. Model estimation
5. Evaluation of model performance
6. Internal validation
7. Model presentation. – External Validation (completely new data set) – Impact assessment (Clinical usefulness) (Støyerberg et al. 2014 Eur Heart J. 2014 Aug 1;35(29):1925–31.)

Through the course, I have got more clear understanding of PM(prediction modelling) to explore real-world medical and healthcare data and the challenges:

- Problems in prediction modelling

1. Study design and confounders
2. Validation
3. Clinical usefulness
4. Missing data

- Data pre-processing is a part of prediction modelling

## Programming and Modelling skills:

### Programming skills:

- **The function pre-process in the R package "caret"** includes important functions to pre-process the predictor data.
- **Ridge and Lasso using Glmnet** : Glmnet is a package that fits a generalized linear model via penalized maximum likelihood. • Performs ridge, lasso and elastic net regression

### Modelling skills:

- to properly define the prediction problem
- to identify sources of bias in the construction and reporting of a predictive tool
- to understand regularization, random forest and SVM techniques
- to devise cross-validation strategies for parameter estimation, model selection and prediction performance evaluation
- to evaluate and interpret such models to support fact-based decision making.
- to recognize the complexities introduced by

## 7 Steps for Prediction Models



## Measures of Discrimination

# Example Comments



[Zahra Abdulla](#)

22 January 2021 at 13:24

Extensive academic and work experience. Based on your goals I can see this programme to be a great way to meet this and aligns well with everything you are currently doing and have done in the past. I would be interested in hearing what prompted you to learn Japanese and German, do they have similar structures to the language? As someone who has spent way too many years trying to be proactive at learning the piano and acoustic guitar, I may have to see if you can provide me any tips to get more successful with this goal of mine.



16 April 2021 at 11:31

Thanks for the comments, Zahra! I took German for 7 years all through secondary school, and have relatives from Germany, so there was always an incentive to learn. As for Japanese, I lived there for 18 months teaching English, and a goal of mine was to pick up as much of the language as I could to better integrate in to the culture. I'd say that there are some similarities, in that sentence formations change depending on who you are talking to (e.g. 'du' vs 'Sie'), but Japanese expands hugely on that concept, with entirely separate ways of speaking 'politely', 'humbly', and 'respectfully', which can cause insult if you misuse them. Learning Japanese made me appreciate how similar German and English are by comparison.

Top tip for guitar is to keep it close, keep it in tune, and practice little and often - that's important for building up fingertip resistance so the strings stop hurting!











[Zahra Abdulla](#)

24 May 2021 at 13:53

Wow that is so interesting about the Japanese language, I feel like that resonates so much with the beautiful nuances of the culture. I will definitely keep that in mind for the guitar thanks for the tip. Did you find immersing your self in the country made it easier to pick up the language?

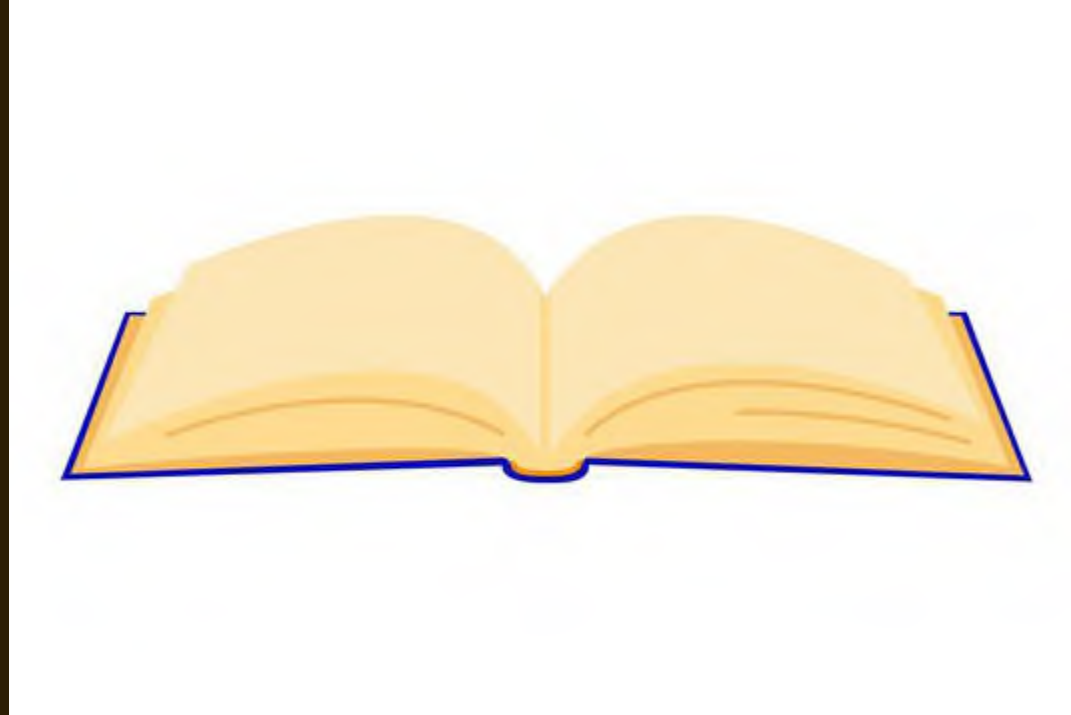
# Impressions & Feedback

Theme	Feedback Summary	Symbol
Portfolio Structure	Basic requirements met, but for most the design lacked creativity	
Reflection Quality	Range of skill levels from surface-level to insightful	 
Engagement via Comments	Some strong student-staff interaction	
Learning More About Students	Helped see more than class allowed	
Student Support Needs	Requests for more structured support sessions	
Overall Perception	Mixed: useful for some, stressful for others (especially during Covid)	 



- Dissertation Writing
- Open Science Framework
- Finding and evaluating research – Library Services
- Replication Crisis
- Academic Skills seminars

# The ASMHI ePortfolio 2022/23



2019/2020

2020/2021

2021/2022

2022/2023

2023/2024



Introduction of statistical programming is the first model of the MSc in Applied Statistical modelling and Health Informatics, and the very basic course of the entire master's degree. It took part from the beginning week and lasted for three weeks. Each week we were introduced a programming language individually, including Stata, Python and R.

The module was developed by a mixture of teaching methods, including pre-recorded lectures, a regular assignment after the everyday on-campus practical lecture and **Q&A** within the first hour of the lectures. The content was all about the **basic utility** and **fundamental formulas** of the languages, of which the most significant usefulness was conditionals, iterations and build-in functions.

An assessment, consisting of three separate parts for each programming language was assigned at the end of the teaching week, it provided us with opportunities to test our understanding ability to implement learnt programming skills.

[+ Add comment](#) [Details](#)



Since I majored in math and statistics for my Bachelor's degree, I was **dexterous** in programming languages that I practised a lot. Hence, I could perform well in Python and R which were the two languages I used most before. **STATA**, compared to the other two, was **naïve** for me that I rarely used during my undergraduate period. So this time I spent more time tackling questions using STATA and I could confidently say that it went well finally.

Handling data with Pandas, Matplotlib and Seaborn etc. in Python was highly recommended when perusing an **extreme neediness of data**. Not only could Python and STATA provide **publication-quality figures** and tables, but also **visualised graphs** could be generated. Visualisation is of great significance for designing complex data dashboards and reports, making the database easier to understand.

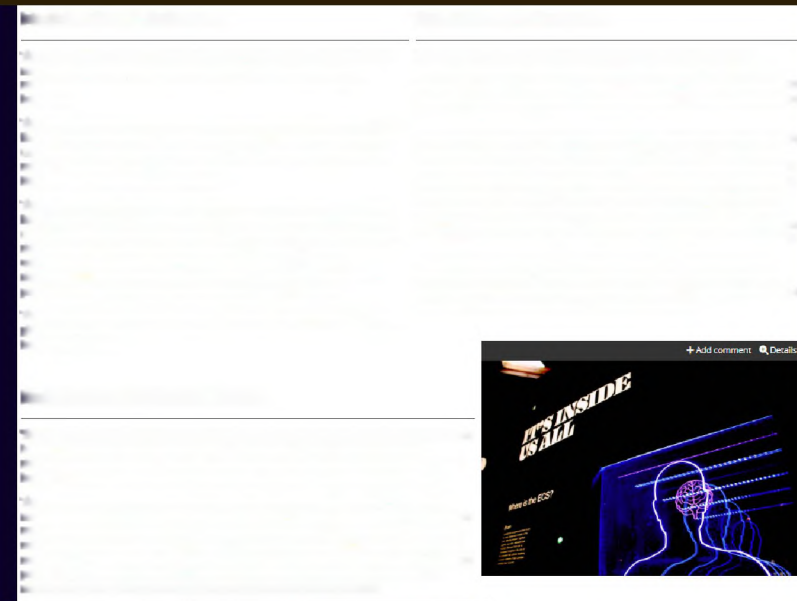
Finally yet importantly, it was the first time for me to use an online tool (**markdown and python files**) to present my assignment which could be downloaded to HTML and pdf format. I found the markdown could perform well than raw programming methods (e.g. using original R or python editor) in both code writing and data visualisation, as well as log query.

Undoubtedly, what could I gain from this module was **programming skills** (IT skills), which laid a solid foundation for the following modules in automation and machine learning. It allowed me to treat problems from a novel perspective by dividing a complex project into small tasks and then using computation-saving codes to tackle them. It improved the **problem-solving skills** from the origin that abandoned the complicated manual calculation.

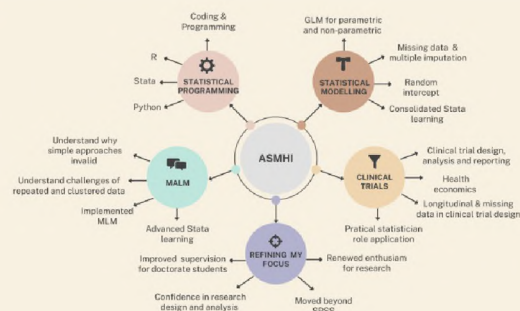
Besides, doing programming using machine language taught me **persistence** that never give up when confronting troubles and bugs. Although debugging would take a long period to find and solve, it was worth testing and modifying the codes that made me persistent and **self-motivated**. After debugging a strong **sense of achievement** arose spontaneously that I would be **confident** in future programming projects.

[♥BACK TO WELCOME PAGE♥](#)

# More Examples



## Overview from each module and the programme overall











A → B

A → B

Learning :  
A → B



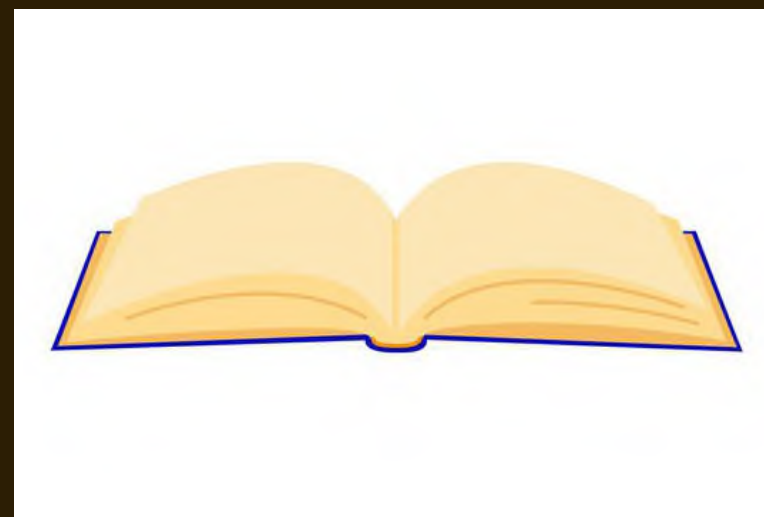
# Impressions & Feedback Take 2

Theme	Feedback Summary	Symbol
Portfolio Structure	Mixed: some used advanced features, others did not	
Reflection Quality	Improved insight and clarification of skills	
Engagement via Comments	Not as much interaction with comments, but improvement seen with feedback	 
Learning More About Students	Helped see more than class allowed	
Student Support Needs	Requests for more structured support sessions	
Overall Perception	Mixed: It should be optional. useful for some, stressful for others, meaningful for some, less meaningful for others	 

# The ASMHI ePortfolio **PLUS**

## The **ASMHI Seminar Series**

### 2023/24



2019/2020

2020/2021

2021/2022

2022/2023

2023/2024







# New Marking Criteria

Criteria	Beginner (0-20)	Emerging (21-40)	Proficient (41-60)	Professional (61-80)	Exemplary (81-100)
Content Clarity	The ePortfolio lacks clarity and focus. Content is poorly organized, and the narrative is disjointed or incomplete.	The ePortfolio's clarity is limited, and the content is somewhat organized. The narrative may lack cohesiveness or depth.	The ePortfolio demonstrates some clarity and organization. Content is generally well-structured, with a coherent narrative.	The ePortfolio shows strong content clarity and organization. It is well-structured, with a clear, cohesive narrative.	The ePortfolio excels in content clarity and organization. It is exceptionally well-structured, with a compelling and coherent narrative.
Relevance of Artifacts	The ePortfolio contains few relevant artifacts or examples of work. Most examples are unrelated to career or employability goals.	The ePortfolio includes some relevant artifacts, but not all align with career and employability goals.	The ePortfolio comprises predominantly relevant artifacts that align with career and employability goals.	The ePortfolio contains highly relevant artifacts that clearly demonstrate the alignment with career and employability goals.	The ePortfolio is composed entirely of highly relevant artifacts that compellingly illustrate alignment with career and employability goals.
Reflection & Self-Assessment	The ePortfolio lacks self-reflection or self-assessment. Personal growth and learning are not addressed.	The ePortfolio contains limited self-reflection and self-assessment. Personal growth and learning are somewhat explored.	The ePortfolio includes basic self-reflection and self-assessment, touching on personal growth and learning.	The ePortfolio displays strong self-reflection and self-assessment, with in-depth exploration of personal growth and learning.	The ePortfolio excels in self-reflection and self-assessment, providing a profound exploration of personal growth and learning.
Presentation & Design	The ePortfolio's design is chaotic, disorganized, and unprofessional. Visual elements are lacking or inappropriate.	The ePortfolio's design is somewhat disorganized or lacks professionalism. Visual elements may be distracting.	The ePortfolio's design is clean and moderately organized. Visual elements enhance the presentation.	The ePortfolio's design is polished, organized, and professional. Visual elements complement the content.	The ePortfolio's design is outstanding, setting new standards for professionalism and organization. Visual elements elevate the presentation.
Digital Literacy	The ePortfolio demonstrates limited digital literacy skills. Basic technological errors are present.	The ePortfolio displays emerging digital literacy skills, but some technological errors may still be noticeable.	The ePortfolio showcases proficient digital literacy skills, with only minor technological errors.	The ePortfolio highlights professional digital literacy skills, with minimal technological errors.	The ePortfolio exemplifies exceptional digital literacy skills, with no discernible technological errors.
Overall Impact & Usability	The ePortfolio lacks impact and usability. It is difficult to navigate and fails to engage the viewer.	The ePortfolio has limited impact and usability. Navigation is somewhat challenging, and viewer engagement is partial.	The ePortfolio has a moderate impact and usability. It is navigable and engaging.	The ePortfolio has a strong impact and usability. It is easy to navigate, engaging, and functional.	The ePortfolio has an outstanding impact and usability, setting new standards for engagement and navigation.

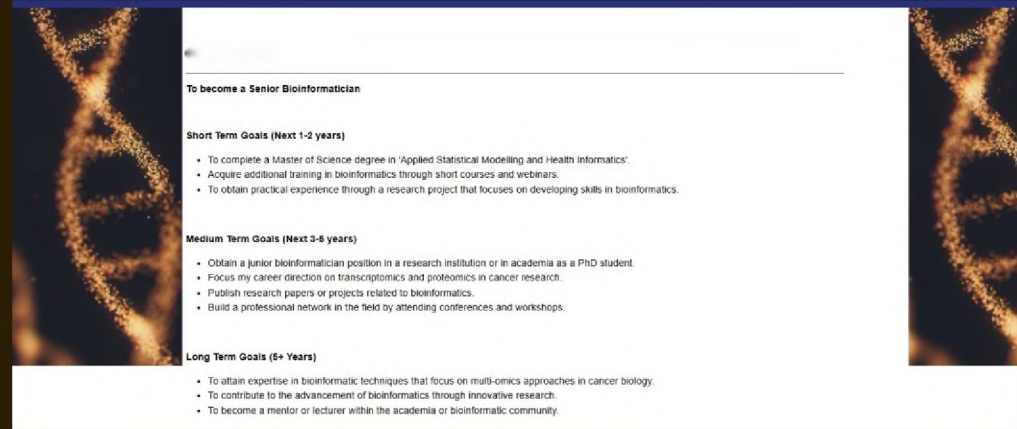
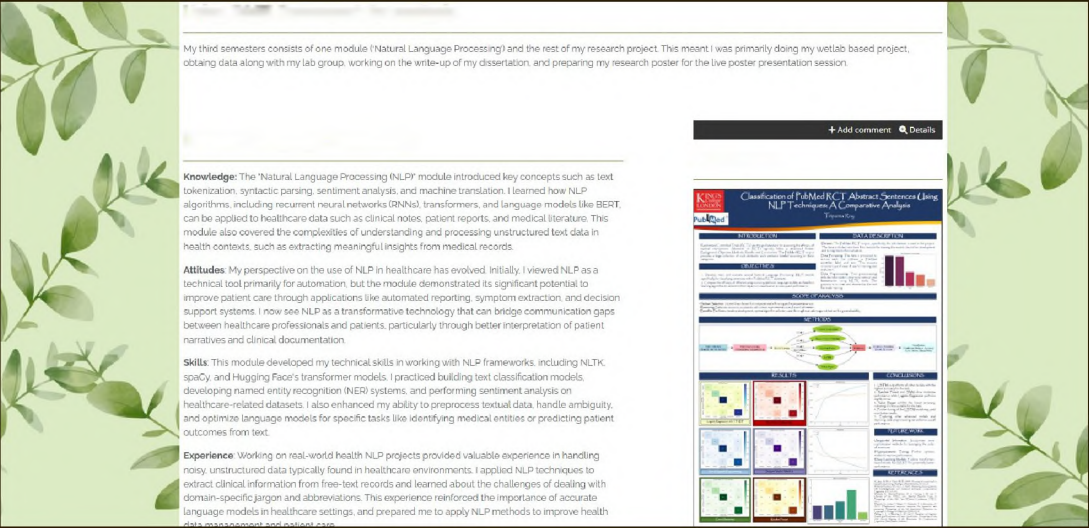
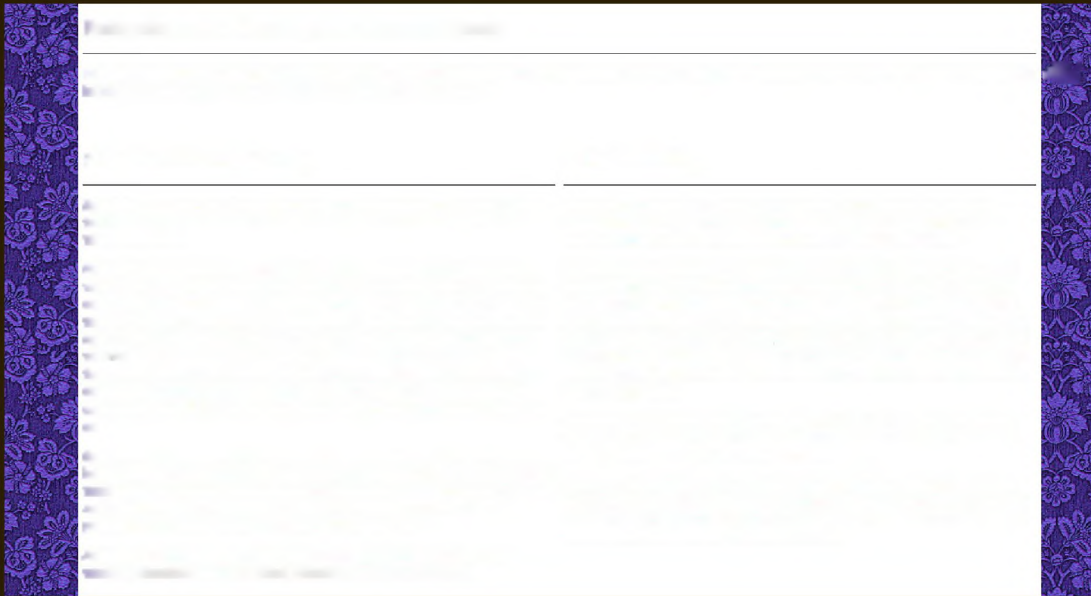
# Seminar Series

Topic	Seminars
Academic Skills	Transition, Note Taking
Personal Skills	Resilience
Careers & Employability	Marketing the brand that is "you"
Careers & Employability	Eportfolio
Academic Skills	Critical thinking & Generative AI
Personal Skills	Time Management
Academic Skills	Journal Club - Reading Critically
Academic Skills	Library Searches - Finding and Evaluating Research
Careers & Employability	Assessment Prep
Academic Skills	Writing Workshop
Research Skills	Research Skills - Ethics 1 (Research)
Research Project (MSc Only)	Dissertation Workshop
Research Skills	Research Skills - Ethics 2 (AI)
Research Project (MSc Only)	Proposal Q&A
Careers & Employability	KASE Writing
Personal Skills	Culture, Equality, Diversity & Inclusion (CEDI)
Careers & Employability	PhD Drive Health
Careers & Employability	Interview Skills
Research Skills	Reproducibility Crisis
Research Skills	Practical Reproducibility
LaTeX Introduction	Related to the dissertation/assignments
Reference/citations software	Dissertation
Academic Skills	Posters and Presentations

# Impressions & Feedback Take 3

Theme	Feedback Summary	Symbol
Portfolio Structure	Most used advanced features throughout	
Reflection Quality	Reflection heavily improved	
Engagement via Comments	Improvement seen with feedback	
Learning More About Students	Helped see more than class allowed	
Student Support Needs	Less time and workload burden	
Overall Perception	Mixed reviews: More workshop based; more employability focused	





## Action Plan and Goals

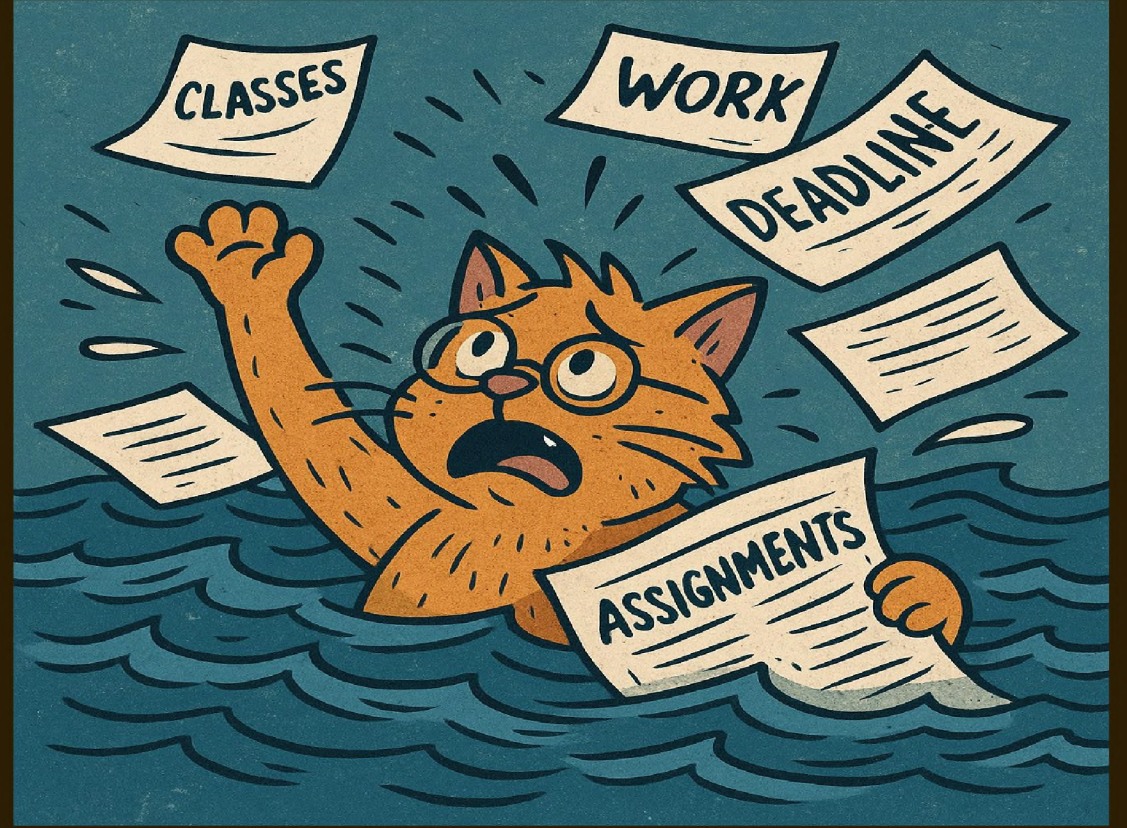
As I am writing this, I have already started my full-time role as a junior Data Scientist at Ceberus Capital Management. In that sense, I have met my overarching goal of securing a junior data science role within the investment universe. I also initially put as one of my non-negotiables that I would like to have 'A role going beyond the technical with exposure to the implementation stage'. Well, I can confidently say that that is the case. While I may be a Data Scientist on paper, in reality, I am more like a product developer/manager with lots of exposure to the client side and currently in the go-live period of the product.

In terms of my **TIME-BOUND goals**, I have met these partially:

- **Goal 1:** Continue expanding my network to at least 35 industry contacts by August 2024.
  - I have not spent much time on expanding my network further but instead invested time in building strong relationships with 3-4 of my contacts.
- **Goal 2:** Graduate from the MSc ASMH-I on time (September 2024).
  - In progress.
- **Goal 3:** Add at least 1-2 projects to my personal portfolio by September 2024 that showcase my technical abilities beyond what I am learning on the MSc ASMH-I.
  - One project is in progress and the other one is on ice at the moment due to me not having any time at the moment.
- **Goal 4:** Finish my pre-doctoral NIHR fellowship ahead of time (ideally November 2024) to be able to take a company up on a job offer for December 2024.
  - I have finished my fellowship as of August 31<sup>st</sup> 2024 and started my full-time role.



# Challenges



# The ASMHI ePortfolio **PLUS**

## The **NEW ASMHI Seminar Series**

### 2024/25



2019/2020

2020/2021

2021/2022

2022/2023

**2023/2024**



Academic  
Development

Career  
Readiness

Researcher  
Development

Personal  
Effectiveness



# Simplified Marking Criteria

## Criteria

The ePortfolio assessment will be graded on a scale from "Beginner" to "Exemplary".

### Level

### Description



**Beginner**

Artefacts are basic, demonstrating minimal creativity and understanding of concepts. Reflection is descriptive, with limited self-assessment or goal-setting. The ePortfolio contains little connection between skills, achievements, and their potential application to future learning or career goals.



**Emerging**

Artefacts show developing knowledge and skills, with some original input and growing independence in digital tool use. Reflection begins to identify patterns and themes, with basic goal-setting and self-assessment. The student shows some awareness of key skills but struggles to connect them meaningfully to broader learning or career contexts.



**Proficient**

Artefacts are well-structured, demonstrating solid knowledge and creative problem-solving. The ePortfolio includes thoughtful reflection on progress, clear goal-setting, and self-assessment. The student effectively identifies and articulates key skills and competencies, linking them to future learning goals and career prospects.



**Professional**

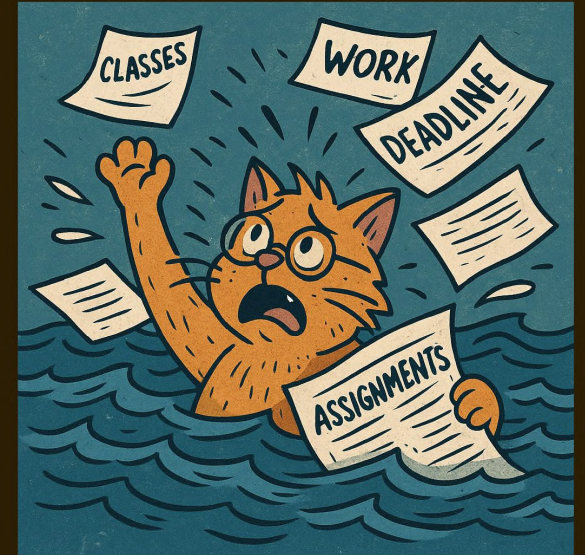
Artefacts are high-quality and demonstrate advanced skills, innovation, and mastery of digital tools. Reflection is deep and analytical, with clear goal-setting and regular self-assessment that drives continuous growth. The student effectively integrates key skills and competencies into a narrative that connects personal achievements to future professional or educational objectives.



**Exemplary**

Artefacts are exceptional, showcasing expert-level understanding, innovation, and leadership in digital and creative skills. Reflection is comprehensive and insightful, with strategic goal-setting and self-assessment demonstrating a strong ownership over learning. The student skillfully frames their employability and further education competencies, creating a cohesive and compelling narrative of their growth and potential.

# This year's challenges





# What is the point?

What's the point of the ePortfolio?

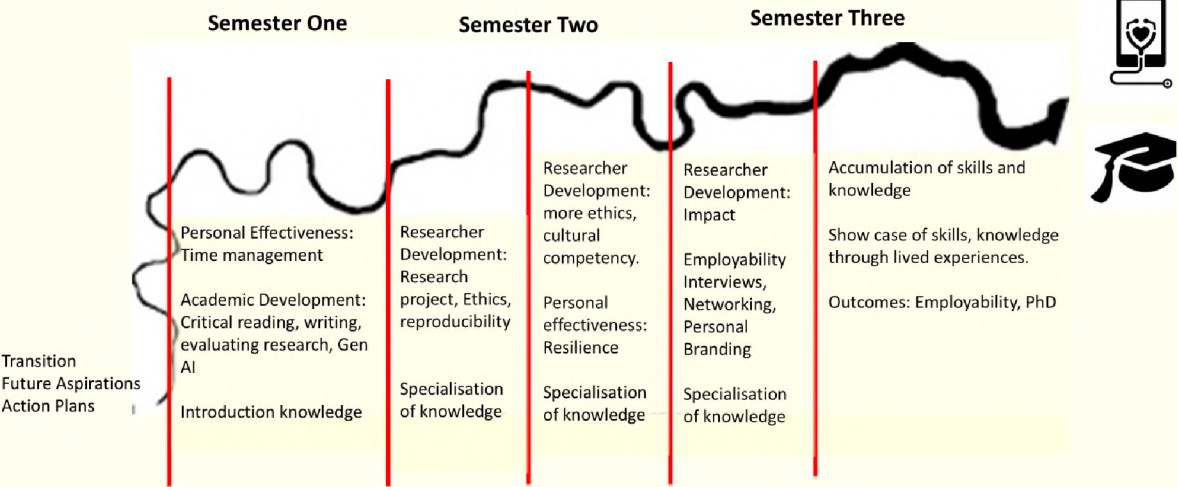
# IMPACT

Digital Story Telling

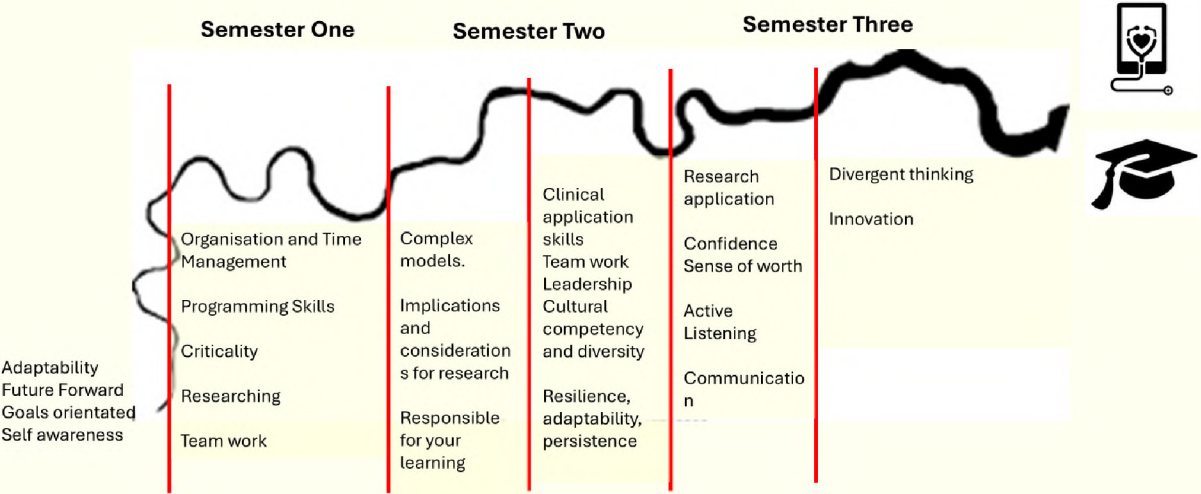
Personal and Professional Branding

Skills and Work Portfolio

## Map your skills journey



## Map your skills journey



# Feedback

*“Haven’t even looked at feedback yet. Barely have time to do the modules i consider more important to a good standard so having this in the background is likely to be the norm.”*

*“Waste of time”*

*I appreciate the utility of having such an ePortfolio*

*I struggle most with the technical side of this module and think more support here is necessary, e.g., with quarto.”*

*Collaborate more with other Kings departments on some workshops*

*This module needs to be a lot more flexible in the context of the intense workload we have on this course.*

*Not everyone has class on the Monday morning so coming in just for 2h on a Monday afternoon might be difficult for some students*

*“Feedback was constructive”*

*Sessions I did attend were interesting*

*“Having more workshop time where we can work 24 on the portfolio would be more useful.”*

# My reflections





**Vision**



**Evolution**



**Future**





# What is next for 2025/26?

## Termly Seminar Days

Shift from weekly sessions to focused, lighter-touch workshop days

## Clearer Framing

Stronger alignment to skills domains, employability narrative, and portfolio structure

## Platform-Agnostic Approach

Let students choose how they build their ePortfolio — Quarto or other tools.

## Enhanced Mapping

Align ePortfolio more closely with module learning outcomes and King's employability frameworks.

## Inclusive Growth

Continue using reflection as a space for students to share identity, barriers, ambitions, not just achievements



# Applied Statistical Modelling & Health Informatics

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Receive **world-class training** in core applied statistical methodology, machine learning and computational methodology, and apply your skills to real-life settings.

This unique course equips you with **essential expertise** in multimodal big data techniques—an area of recognised shortage in UK life sciences.

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for Psychology  
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## KEY BENEFITS:

- A unique and flexible programme designed for researchers in industry and academia seeking methodological skills to boost their research excellence and employability.
- Gain expertise in multimodal and big data analysis techniques.
- Discover how electronic health records, social media, omics, wearables, and smartphone data provide unique insights to improve patient outcomes.
- Apply your skills in real-world health settings, supported by the world-leading Institute of Psychiatry, Psychology & Neuroscience.
- Engage with the IoPPN's statistical and health informatics research groups and benefit from our strong links with industry and the NHS.

## CAREERS:

Advance your career in health data science, biostatistics, and biomedical research, paving the way for roles in healthcare, pharmaceuticals, tech, start-ups, government, and academia.

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online



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course, please scan  
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taught/courses/  
applied-statistical-  
modelling-health-  
informatics](https://kcl.ac.uk/study/postgraduate-taught/courses/applied-statistical-modelling-health-informatics)

\* US News, Best Global  
Universities 2023

A stylized illustration of a hand holding a sign. The hand is light-skinned with black outlines, wearing a dark suit sleeve. The sign is rectangular with a black border and contains the text 'ANY QUESTIONS?' in a bold, black, sans-serif font. The background is a solid red color with a subtle halftone dot pattern.

**ANY  
QUESTIONS?**

**Zahra Abdulla SFHEA**

**[Zahra.Abdulla@kcl.ac.uk](mailto:Zahra.Abdulla@kcl.ac.uk)**



**[zahraabdulla.bsky.social](https://bsky.social/zahraabdulla)**

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# SESSION 2 – TRACK 3: EMPLOYABILITY AND WORK- RELATED LEARNING

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AND EVENTS







**UCD Michael Smurfit Graduate Business School**

# **UCD Smurfit School MBA LEAP: A Case Study in Co-Created Authentic Assessment & Employability Development in the Curriculum**

**I-LEAD Conference, Kings Business School, London, June 19<sup>th</sup>, 2025**

**Bernie Burke, MBA LEAP Module Co-Lead & Careers Consultant**

**contact information: [bernie.burke@ucd.ie](mailto:bernie.burke@ucd.ie)**

# UCD Smurfit School MBA Programmes



# A Co-Creation Approach



# Smurfit Careers Partnership Approach



# A Research Based Approach





# Evidence-Based Design, Grounded in Occupation Psychology

---

Competence v  
Intelligence  
(McClelland)

Occupational v Clinical  
Personality  
(Saville)

Criterion Based  
Competency Model  
(Bartram, Kurz)

Industry/Practitioner  
Input & Standard  
(External)

Student Learning  
Experience  
(Deci & Ryan)

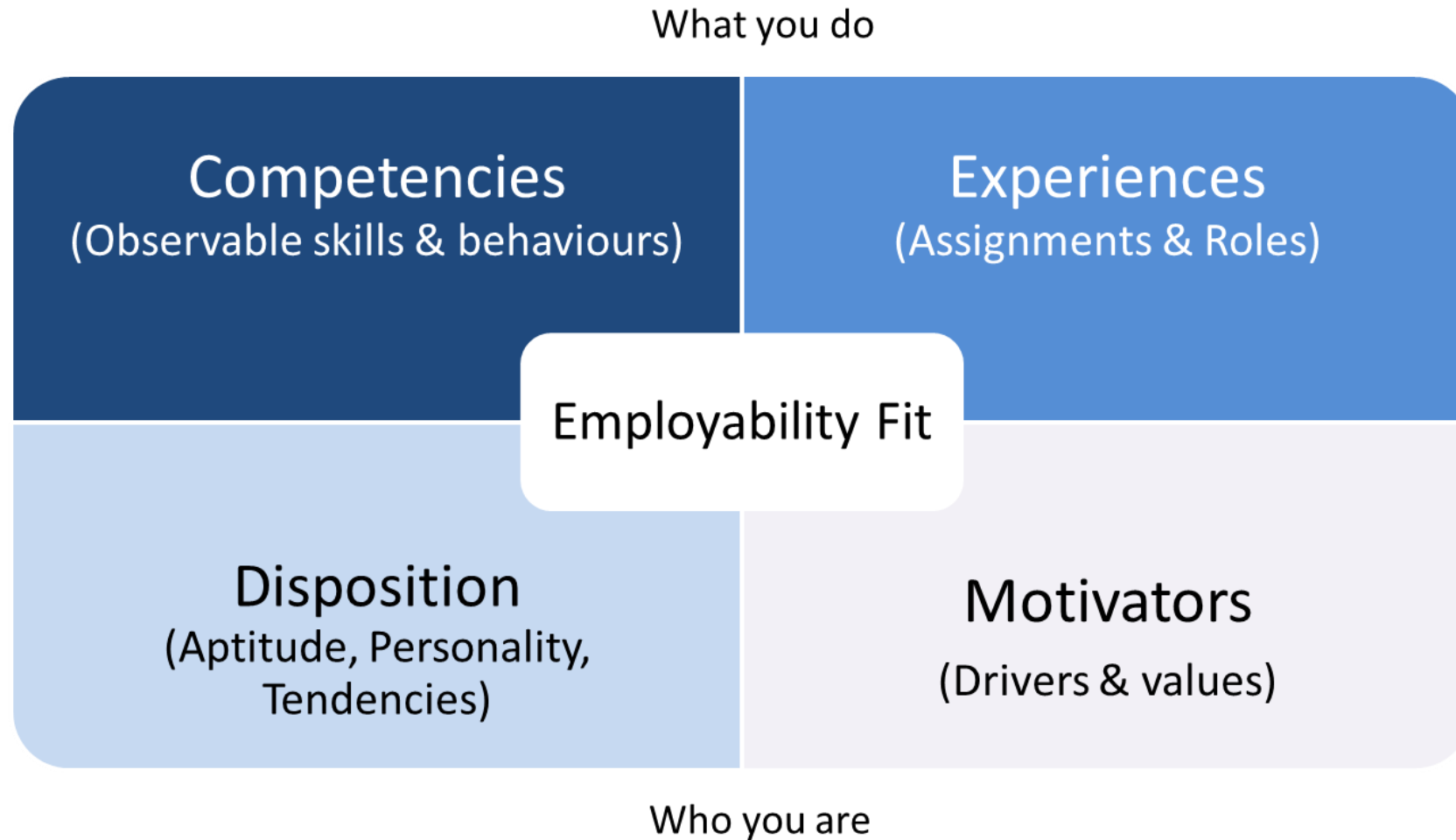
Intelligence  
Augmentation  
(Dede)

# Designing a WIL Assessment for the Classroom



# Authentic Industry Assessment in the Classroom

---



# Features of LEAP Design

© Smurfit Careers Network



6 Global  
Competencies



Universal Design  
for Learning



Experiential  
Learning



Peer Assessment



Alumni Integration



Employability  
Benchmarking



Work-Integrated  
Learning



Reflexivity



Transfer of Learning  
Back to the Workplace

# A Shared Scaffolding





# LEAP Global Competencies

---



Critical Thinking  
and Innovation



Communication  
and Influencing



Adaptability



Inclusive  
Leadership



Teamwork and  
Collaboration



Results  
Focus

## Name of Competency e.g. Inclusive Leadership

**Descriptor which describes what the competency looks like across all levels – its general behavioural attributes.** Lorem ipsum dolor sit amet, consectetur adipiscing elit. Maecenas porttitor congue massa. Fusce posuere, magna sed pulvinar ultricies, purus lectus malesuada libero, sit amet commodo magna eros quis urna.

Level 1	Level 2	Level 3	Level 4	Level 5
<ul style="list-style-type: none"> <li>• <b>Positive behavioural descriptor at level which is observable, measurable and discreet</b></li> <li>• Fusce posuere, magna sed pulvinar ultricies, purus lectus malesuada libero</li> <li>• Lorem ipsum dolor sit amet, consectetur adipiscing</li> <li>• Lorem ipsum dolor sit amet, consectetur adipiscing Lorem ipsum dolor sit amet,</li> <li>• Lorem ipsum dolor sit amet, consectetur</li> </ul>	<ul style="list-style-type: none"> <li>• Lorem ipsum dolor sit amet, consectetur adipiscing elit. Maecenas</li> <li>• Fusce posuere, magna sed pulvinar ultricies, purus lectus malesuada libero</li> <li>• Lorem ipsum dolor sit amet, consectetur adipiscing</li> <li>• Lorem ipsum dolor sit amet, consectetur adipiscing Lorem ipsum dolor sit amet,</li> <li>• Lorem ipsum dolor sit amet, consectetur adipiscing Lorem ipsum dolor sit amet, consectetur adipiscing</li> <li>• Lorem ipsum dolor sit amet, consectetur adipiscing</li> </ul>	<ul style="list-style-type: none"> <li>• Lorem ipsum dolor sit amet, consectetur adipiscing elit. Maecenas</li> <li>• Fusce posuere, magna sed pulvinar ultricies, purus lectus malesuada libero</li> <li>• Lorem ipsum dolor sit amet, consectetur adipiscing</li> <li>• Lorem ipsum dolor sit amet, consectetur adipiscing Lorem ipsum dolor sit amet,</li> <li>• Lorem ipsum dolor sit amet, consectetur adipiscing Lorem ipsum dolor sit amet, consectetur adipiscing</li> <li>• Lorem ipsum dolor sit amet, consectetur adipiscing</li> </ul>	<ul style="list-style-type: none"> <li>• Lorem ipsum dolor sit amet, consectetur adipiscing elit. Maecenas</li> <li>• Fusce posuere, magna sed pulvinar ultricies, purus lectus malesuada libero</li> <li>• Lorem ipsum dolor sit amet, consectetur adipiscing</li> <li>• Lorem ipsum dolor sit amet, consectetur adipiscing Lorem ipsum dolor sit amet,</li> <li>• Lorem ipsum dolor sit amet, consectetur adipiscing Lorem ipsum dolor sit amet, consectetur adipiscing</li> <li>• Lorem ipsum dolor sit amet, consectetur adipiscing</li> <li>• Lorem ipsum dolor sit amet, consectetur adipiscing</li> <li>• Lorem ipsum dolor sit amet, consectetur adipiscing</li> </ul>	<ul style="list-style-type: none"> <li>• Lorem ipsum dolor sit amet, consectetur adipiscing elit. Maecenas</li> <li>• Fusce posuere, magna sed pulvinar ultricies, purus lectus malesuada libero</li> <li>• Lorem ipsum dolor sit amet, consectetur adipiscing</li> <li>• Lorem ipsum dolor sit amet, consectetur adipiscing Lorem ipsum dolor sit amet,</li> <li>• Lorem ipsum dolor sit amet, consectetur adipiscing Lorem ipsum dolor sit amet, consectetur adipiscing</li> <li>• Lorem ipsum dolor sit amet, consectetur adipiscing</li> <li>• Lorem ipsum dolor sit amet, consectetur adipiscing</li> <li>• Lorem ipsum dolor sit amet, consectetur adipiscing</li> </ul>

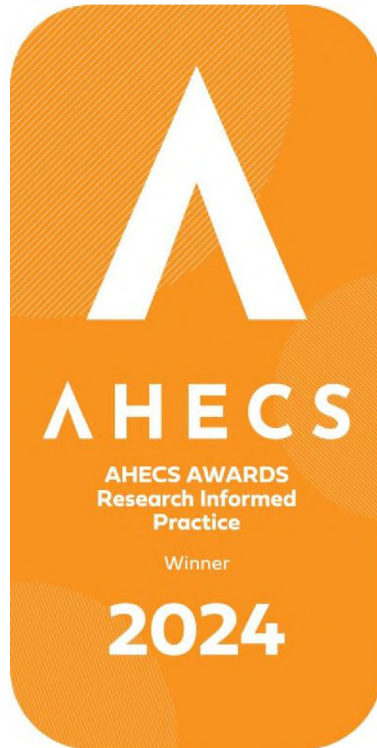
### WHAT IT IS NOT

- **Describe what it is not e.g. excludes others, not asking for others input**
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- Lorem ipsum dolor sit amet, consectetur.

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- \* Lorem ipsum dolor sit amet

# LEAP Awards

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# Mile buíochas! (Meela–bwee-cus)

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BUSINESS EDUCATION

# REIMAGINING EDUCATION

THE FUTURE OF LEARNING & TEACHING

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# Events, Decisions & Elegant Solutions

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PhD Thesis: Claire Drakeley

Developing a causal model for decision making in the events  
industry: A mixed method study

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WE NEED TO  
MAKE BETTER  
DECISIONS.

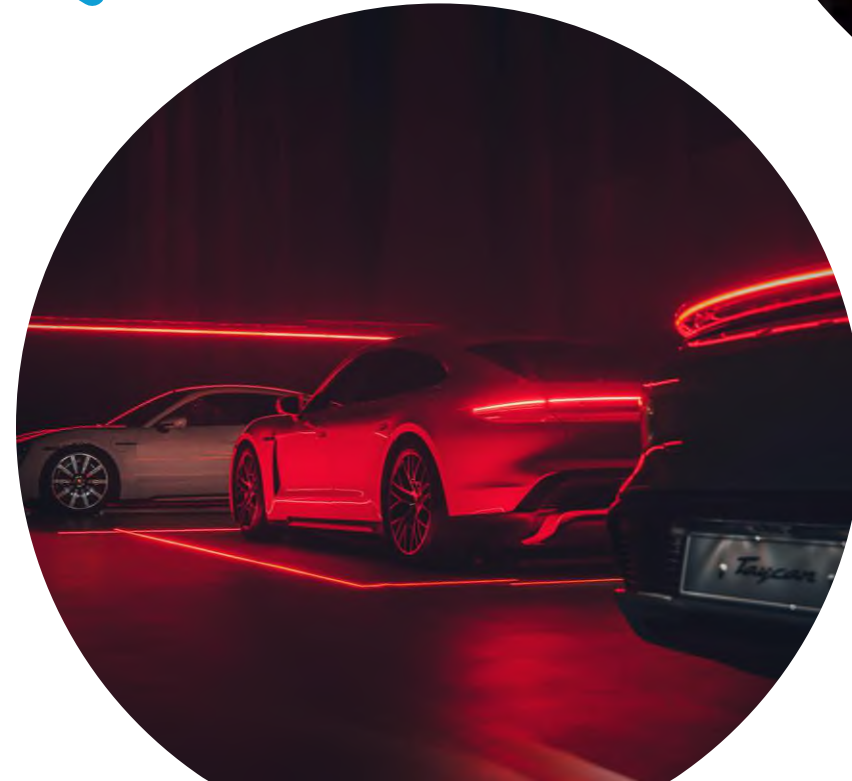
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# What is the Research Problem?

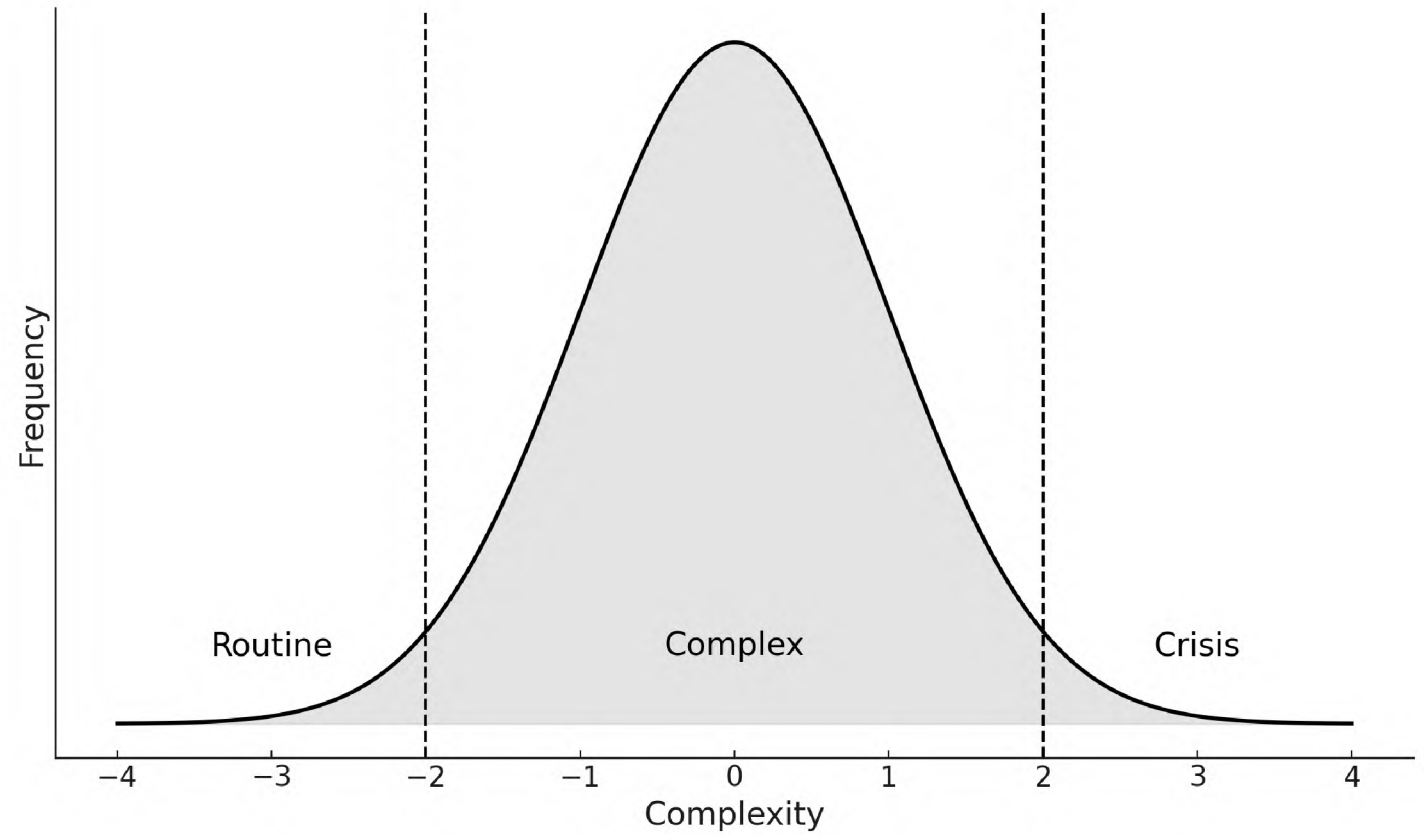
Decision making in the event industry is often **adhoc and highly subjective**, being based on intuition, heuristics and neural constructs, particularly when in the midst of live event operations.

There is **significant risk of failure** in event management decision making with significant consequences in terms of safety, finance, reputation and event operations.

Decision making in these complex situations needs to be more **transparent, robust and include stakeholder buy-in** throughout the decision-making process to ensure a greater likelihood of achieving successful outcomes.



Can't we  
plan for  
everything?





**Research Problem – Part 1:** Mitigating the risk of decision failure  
**Research Problem – Part 2:** Lack of models and frameworks to address the risk

**Research Question:** How can on-event decision making be improved?

**Hypothesis 1:** On-event decision-making can be optimised by a heuristic-based framework

**Hypothesis 2:** An adapted RPD model for events achieves a high level of Ecological Rationality and thereby an effective on-event decision =  $F(\text{RPDmodel})$



# The research uses a mixed methods approach to explore a complex situation.

Part 1 – Literature Review

Part 2 – Survey & Statistical Analysis

Part 3 – Ecological Rationality Modelling (Policy Delphi)

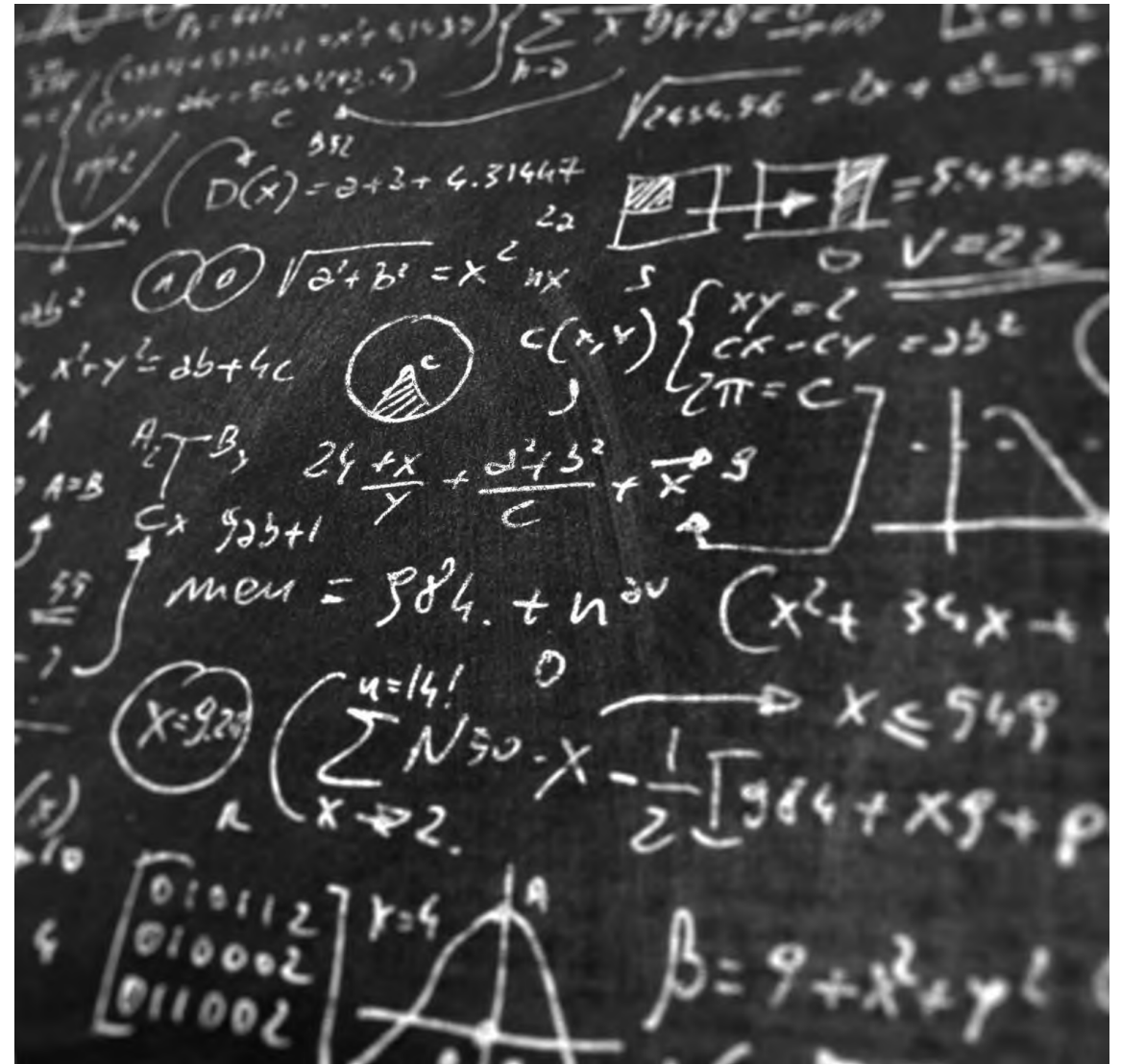
Part 4 – Recognition-Primed Decision Modelling (Observations)

Part 5 – Model & Framework



# Axiomatic Rationality

- Decisions adhere to abstract axioms or rules
- Choices can be represented by a Utility function (von Neumann & Morgenstern, 2007)
- Functions in “small worlds” (Savage, 1954) where future states and consequences of actions are calculable and known (that is, well-defined problems).



# Decision Theory

- Considers situations as a “game” which can be single decision points or multiple decisions and where there is at least one other player e.g. Chess or Monopoly. It is assumed that all players behave rationally.
- Decisions where the probabilities and outcomes are known are defined as decisions **under Risk** and the player can evaluate decision choices operating within Axiomatic Rationality.
- Initially, the on-event decision process was considered as a **Decision Under Risk** where the event manager (the decision-maker) has a high level of awareness of the likelihood of outcomes. On this basis, we could use game theory to construct a model for effective decision making. However, this approach fails to account for human behaviours.
- In practice, it is clear that this decision process is a **Decision Under Uncertainty** where the likelihood of outcomes is unknown and dependent on a range of variables.



# Situational Judgement

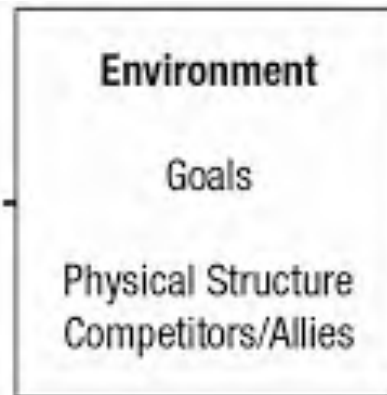
- Simply, identifying and **selecting the most appropriate action** in a situation.
- But what if that is a highly complex situation with a **high level of risk** and **multiple stakeholders**?
- The nearest comparators are **military, emergency services and medical** scenarios. In these areas there are consistent and comprehensive professional standards and resources to train and rehearse.
- The events industry often borrows tools and approaches from these sectors (e.g. OODA (Boyd, 1976) cited in O'Toole (2021))
- Event managers **don't have time or resources** to rehearse other than perhaps table tops and scenario evaluation, but we are **experts at planning** and considering contingencies.
- Given the personal nature of this kind of decision-making, it is also easy for bias and noise to interfere with the interpretation of the situation and the efficacy of the solution (Kahnemann *et al*, 2021)

# This research seeks to optimise decision making on-event.

- Ad hoc, non-standardised
- Decisions under Uncertainty
- Multiple stakeholders
- High levels of risk
- Heuristics, non-axiomatic



Ecological Rationality

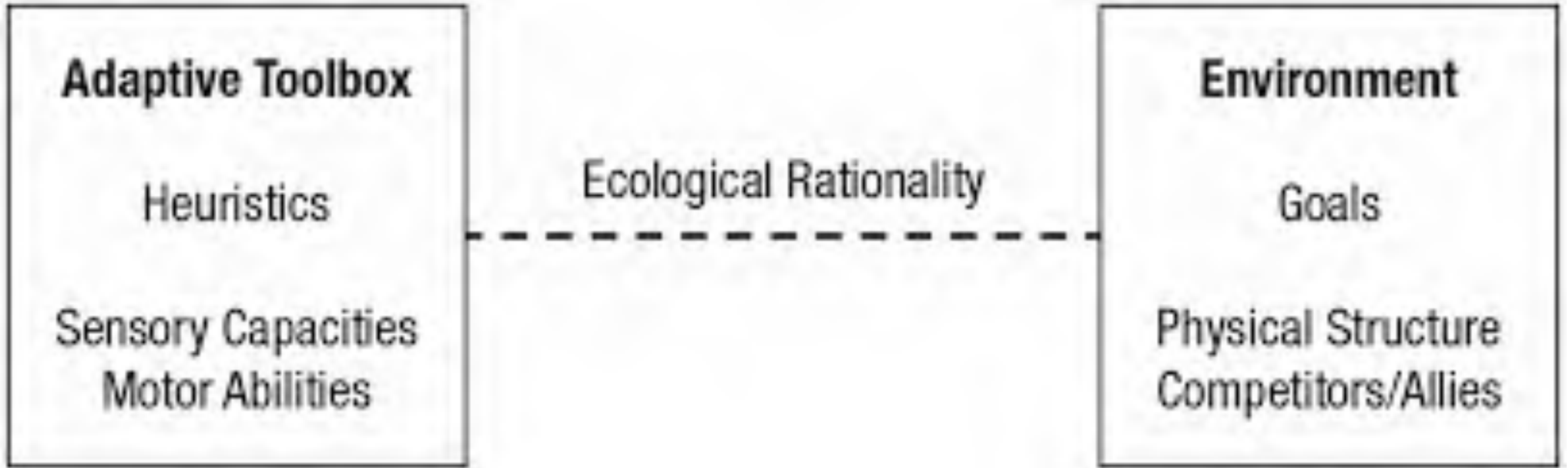


- Develop the descriptive model to **understand how these decisions are made**
- Evaluate against practice to **identify how the process can be improved**



Contextual	Causal	Consequential
<ul style="list-style-type: none"><li>• Strategic context</li><li>• Organisational context</li><li>• Stakeholders &amp; Communications</li><li>• Planning &amp; preparedness</li><li>• Training</li><li>• Individual experience</li><li>• Hygiene &amp; motivation factors</li><li>• Team</li><li>• Professional standards</li></ul>	<ul style="list-style-type: none"><li>• Individual wellbeing</li><li>• Time</li><li>• Safety</li><li>• Heuristics/constructs</li><li>• Budget/ available resources</li><li>• Contacts &amp; information</li><li>• Degree of perceived risk</li><li>• Autonomy</li><li>• Attitude to risk</li></ul>	<ul style="list-style-type: none"><li>• Contingency planning</li><li>• Team capability</li><li>• Communications</li><li>• Resource elasticity</li></ul>

# Variables in Event Decision Making



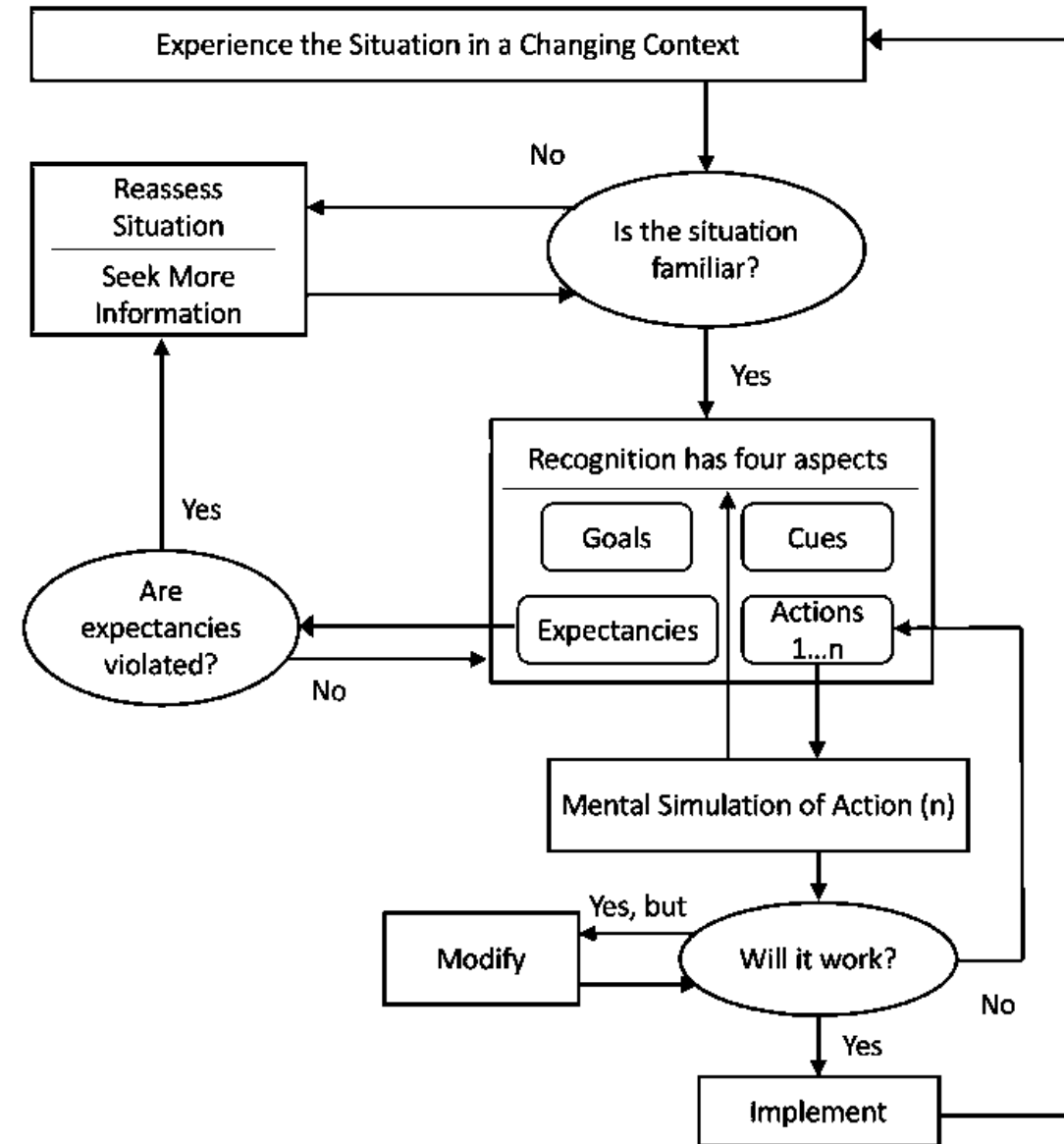
## Ecological Rationality

- The concept that effective decision making is determined by the match between the individual and the environment of the situation.
- Applies to the on-event decision process as this model accommodates human factors, intuition and the scope and variability of the sector.
- Developed by Gigerenzer & Todd (2000), this model forms the basis of understanding the on-event decision.

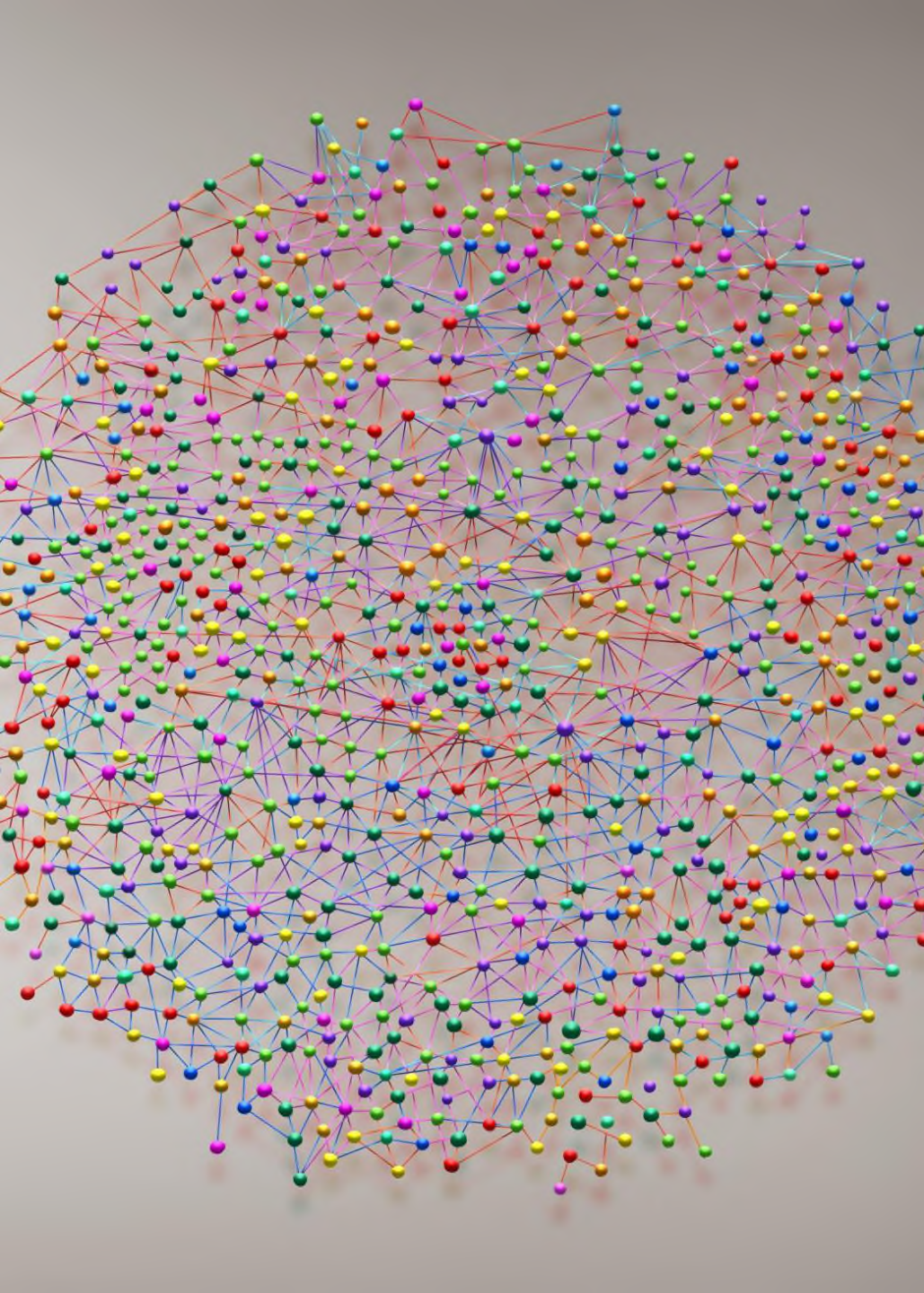
# Effective on-event decisions

- From the Literature Review and research findings, it is evident that the most suitable match is related to the Recognition heuristic.
- Given the situational similarities to emergency services decision making, this research is using the **Recognition Primed Decision model** (Klein *et al*, 1993), shown here, which...
- Gives rise to **Hypothesis 2**: An adapted RPD model for events achieves a high level of Ecological Rationality and thereby:

***effective on-event decision = F(RPDmodel)***



*Klein, 1993*

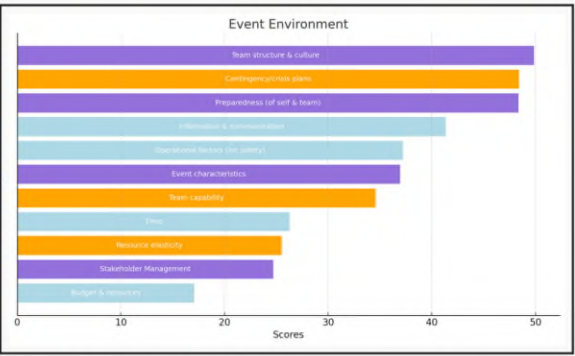
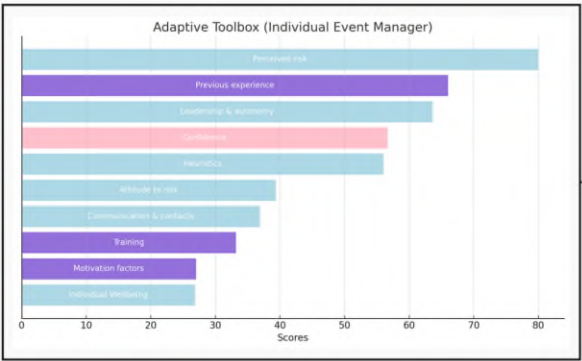


# Variable Mapping

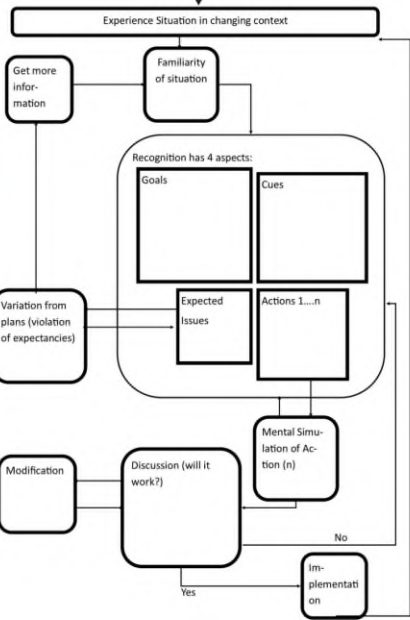
- Triangulation of data through mapping data inputs against variables in the ER model and the RPD model, drawing on Literature Review, statistical analysis, Policy Delphi and on-event observations
- Creating a balanced, weighted, adapted conceptual model identifying the priorities in the on-event decision process
- Using these priorities to form the basis of the framework to optimise decision-making

# Conceptual Model

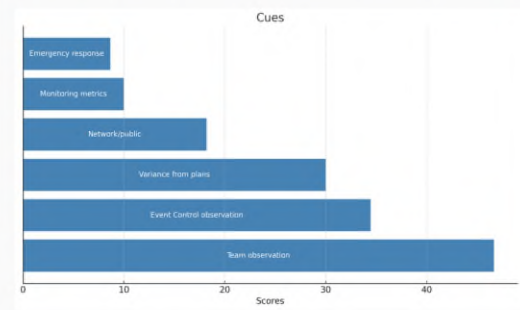
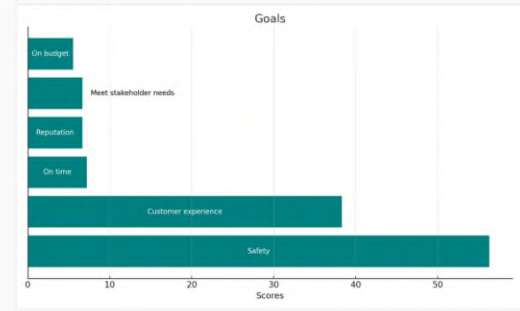
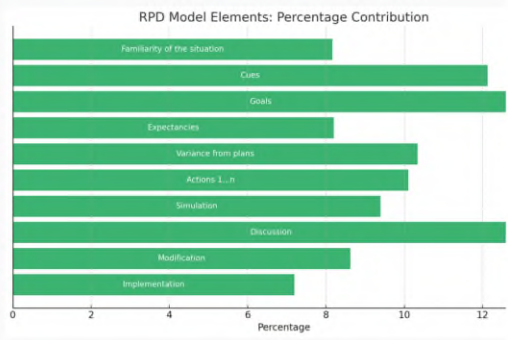
Ecological Rationality Model for Events



Hypothesis 1: On-event decision making can be optimised by a heuristic. That is, a match between the Adaptive Toolbox (Individual Event Manager) and the Environment (the Event)

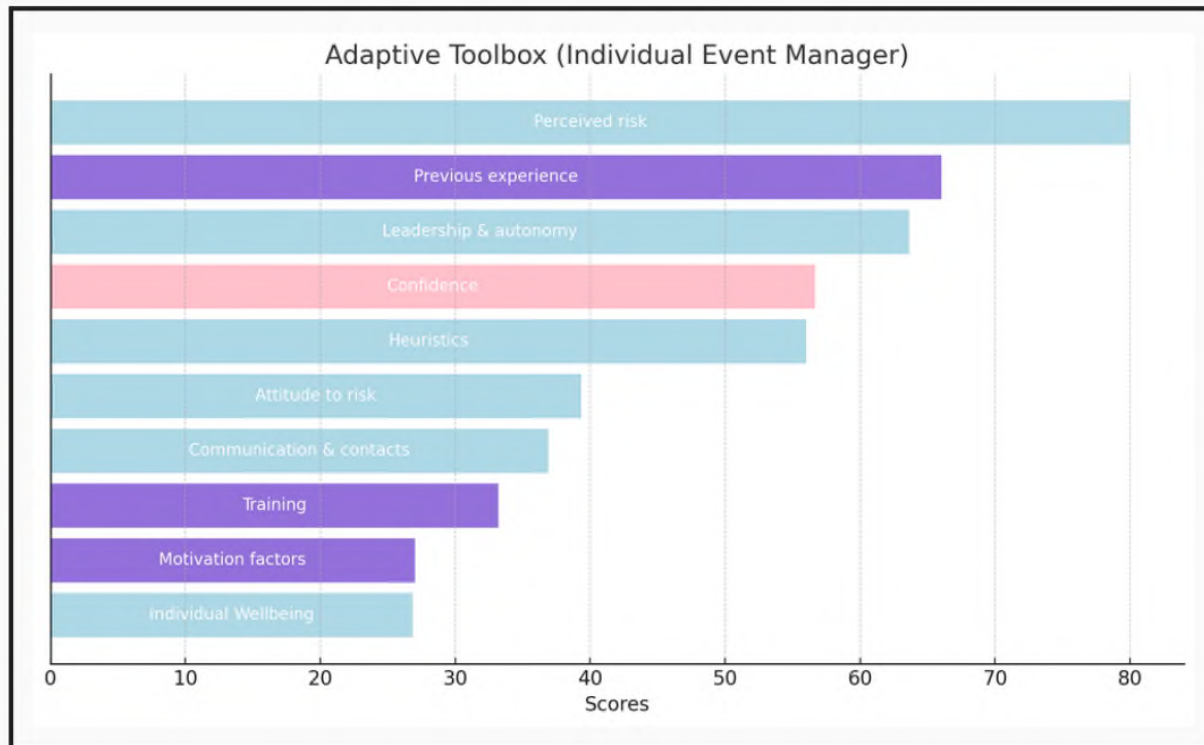


Hypothesis 2: An adapted Recognition-Primed Decision (RPD) model (Klein, 1993) for events achieves a high level of Ecological Rationality and thereby an effective on-event decision is a function of the RPD model.





# Adaptive Toolbox



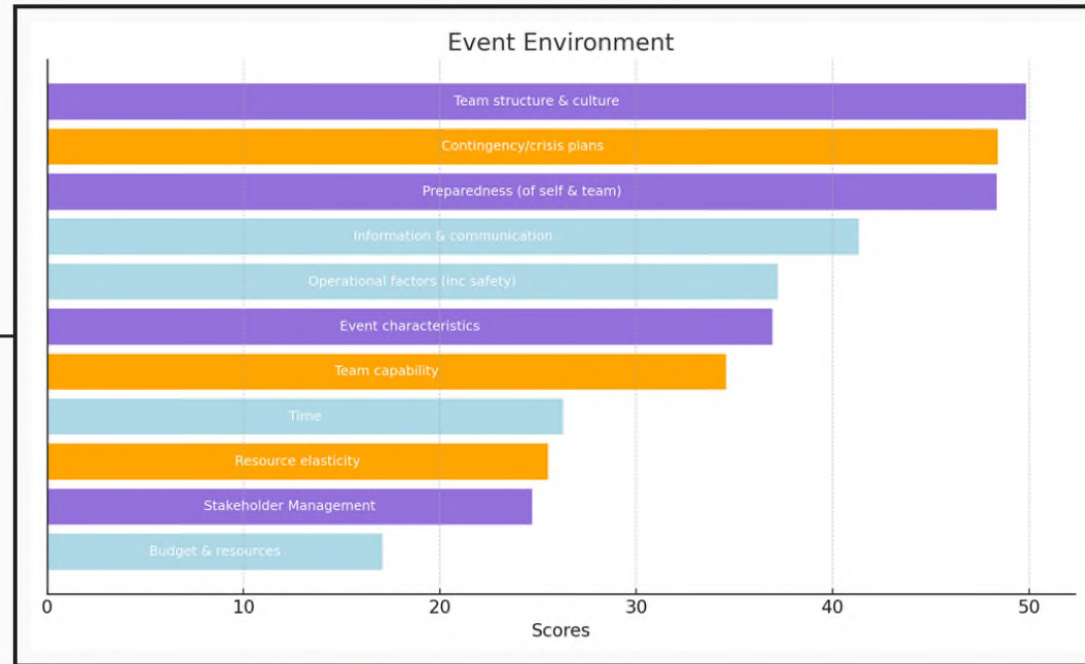
Hypothesis 1: **On-event decision making can be optimised by a heuristic.** That is, a match between the Adaptive Toolbox (Individual Event Manager) and the Environment (the Event)

RPD Model

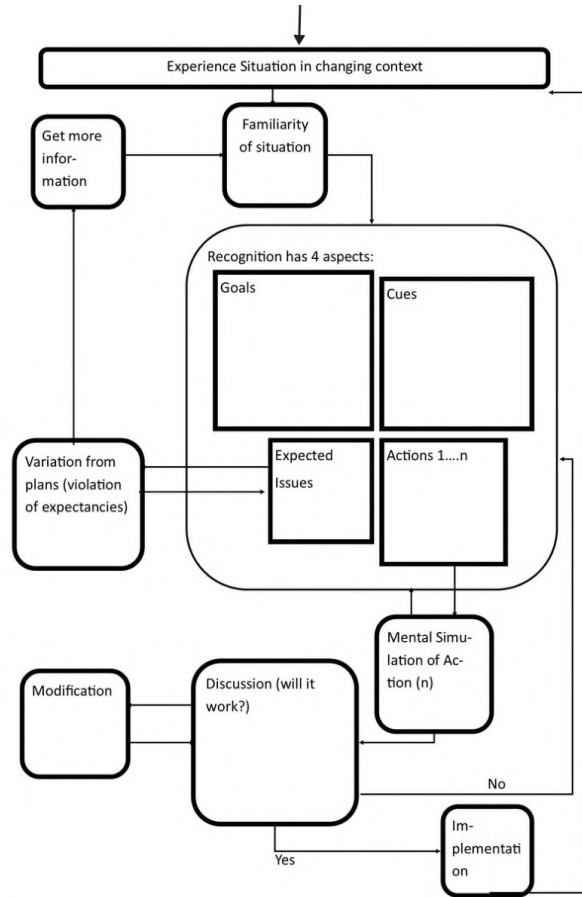
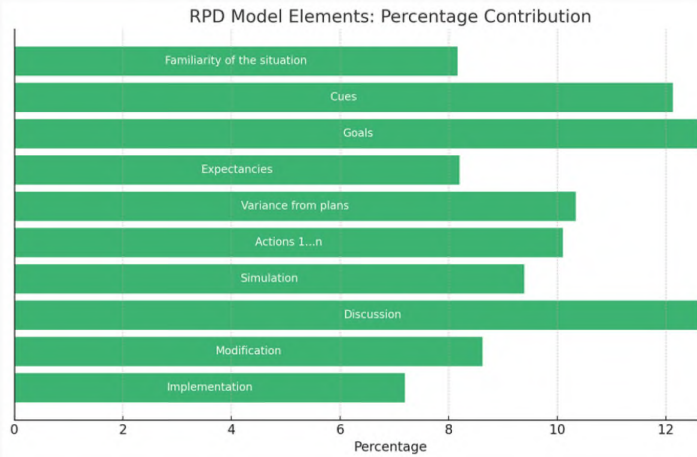
# Event Environment

Hypothesis 1: **On-event decision making can be optimised by a heuristic.** That is, a match between the Adaptive Toolbox (Individual Event Manager) and the Environment (the Event)

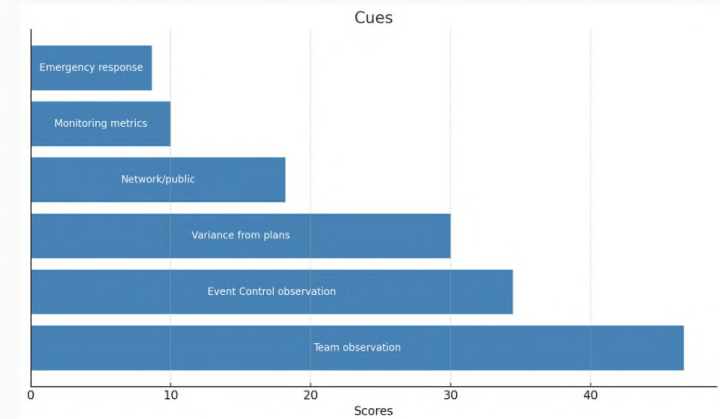
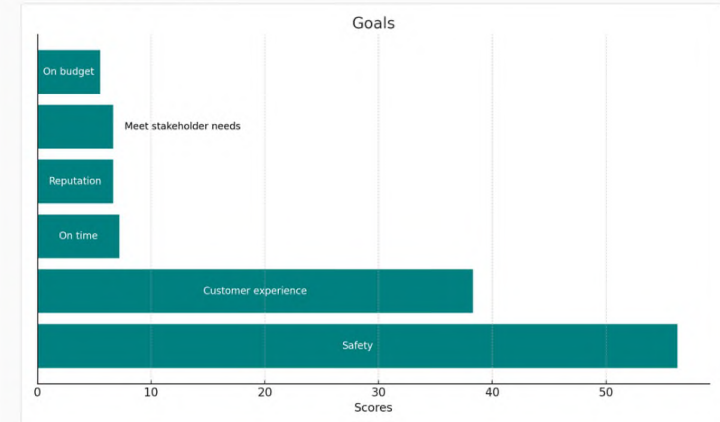
RPD Model



# Adapted RPD Model



**Hypothesis 2:** An adapted Recognition-Primed Decision (RPD) model (Klein, 1993) for events achieves a high level of Ecological Rationality and thereby an **effective on-event decision is a function of the RPD model.**



# Key Findings



Risk is evaluated accurately on average, but not necessarily consistently



Perception of risk is based on event characteristics, not personal impact



Events are a team game



Preparation of plans, team and self is essential



Previous experience leads to familiarity which enables

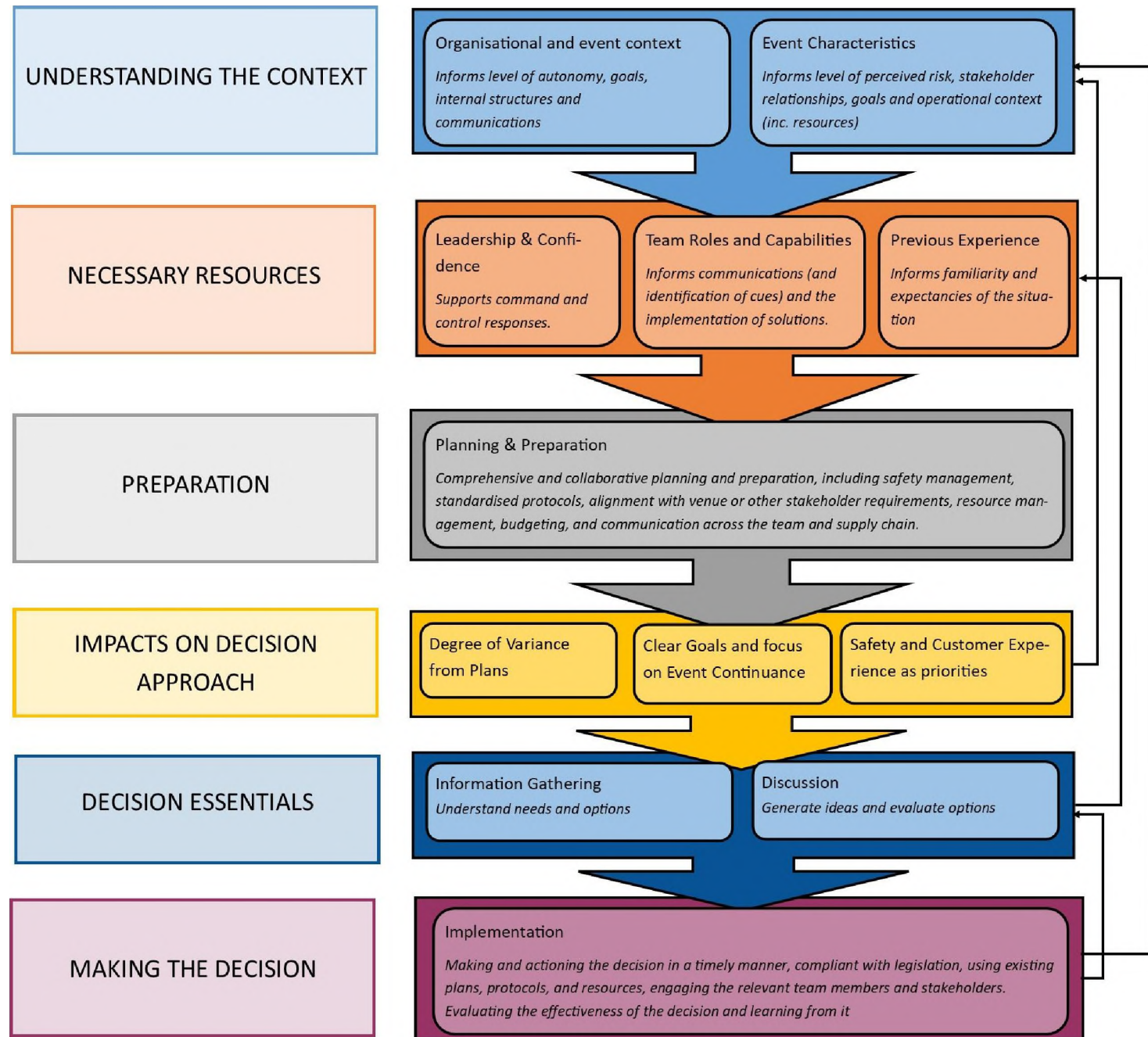


Safety is always a priority in decision-making, followed by Customer Experience



The strategic and organisational context is a significant influence on the efficacy of the decision process

# Framework

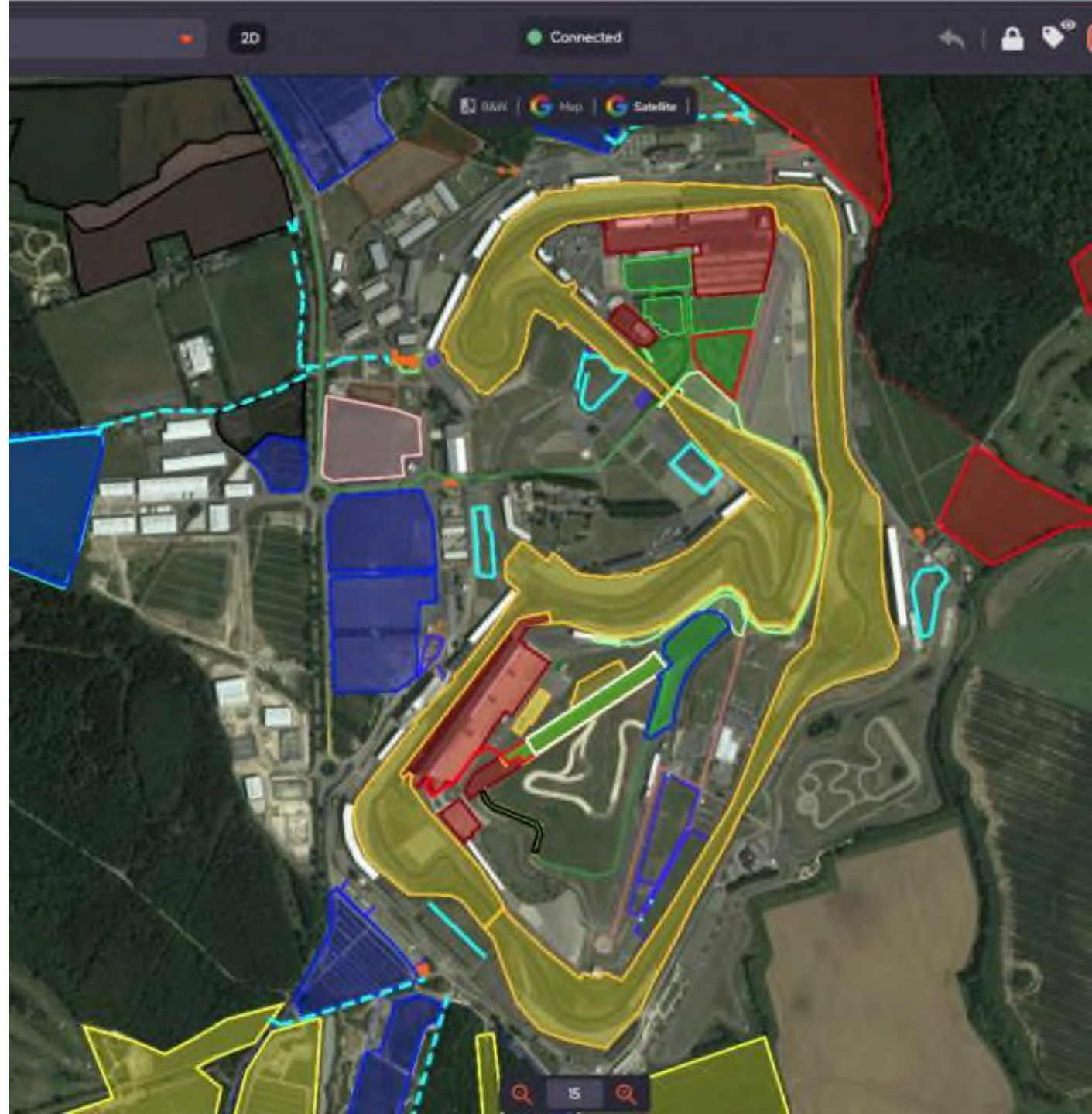




# And in the classroom...

- Live Event Projects
- Event Control Simulation
- Developing Risk Tolerance

*Image: OnePlan map for Silverstone Circuit*



# Operation Nexus at Silverstone

Learning & Teaching Innovation Fund Project  
(Understanding Risk)

# What we planned

## 2.5hr event simulation – the Nexus Festival

- Running Event Control for a multi-strand festival at Silverstone
- It was a really bad day at the track! Crowd surges, fire, protestors, bins overflowing, vehicle collision, toilets needing cleaning, unhappy traders, assaults, awful weather, access issues...
- Based on decision-making research

## 2.5hr investigation simulation

- Investigation into what happened during the Nexus Festival from three perspectives – Policing, Corporate Risk and Public Safety
- Added in detail to the event log, interviews and wider research to reach conclusions on responsibilities and accountability
- Provided context for core investigation approaches

# What happened



6 events management students; 8 CJS students



3 preparatory sessions for Events students – advance visit to Silverstone, review of documentation and table top exercise



Nexus Festival on 3 April – event simulation in Event Control, overlapping with the investigation simulation



De-brief and feedback meetings in April and May.

# Experiential Learning

Creating a valuable learning experience beyond the classroom

Engagement in different ways

- Applying risk knowledge and related course content in practice
- Kolb's learning cycle
- Enabling neurodiverse students to thrive

"As real"

- Being at Silverstone "raised the bar"
- Using professional standard documentation and processes
- Based on incidents from live event observations at Silverstone
- Based on project collaborators' experience and practice



# Skill Development



Enabling dark-art skill development (around decision-making and situational application of knowledge) using the Framework



Building confidence



Developing communication skills, particularly within a new team



Using real-world tools in anger

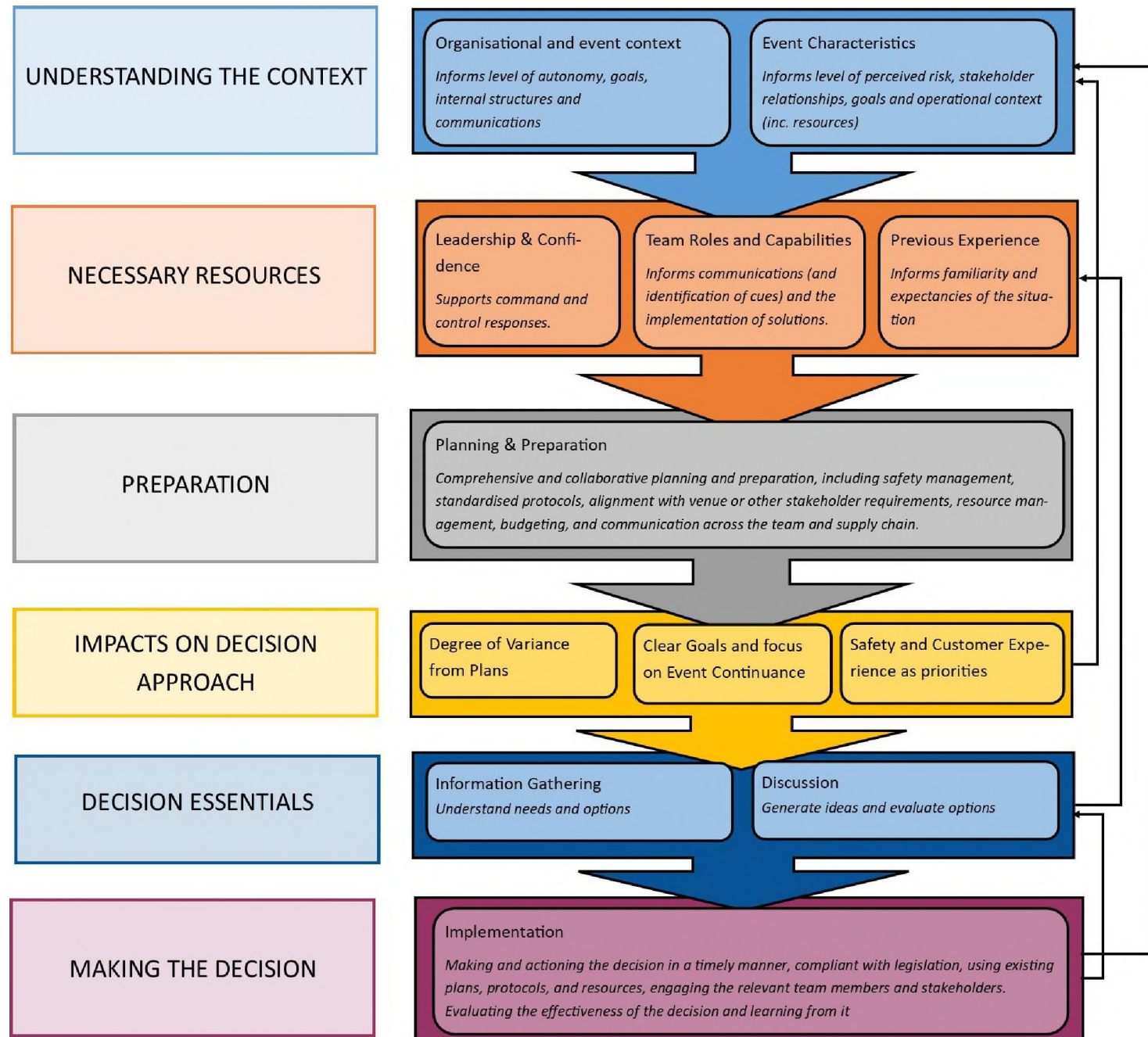


Application of theory and learning to practice



Deepening understanding of self

# Framework





Why is this important?



WE NEED  
TO MAKE  
BETTER  
DECISIONS.





# Thank you

And please stay in touch....

**Claire Drakeley**

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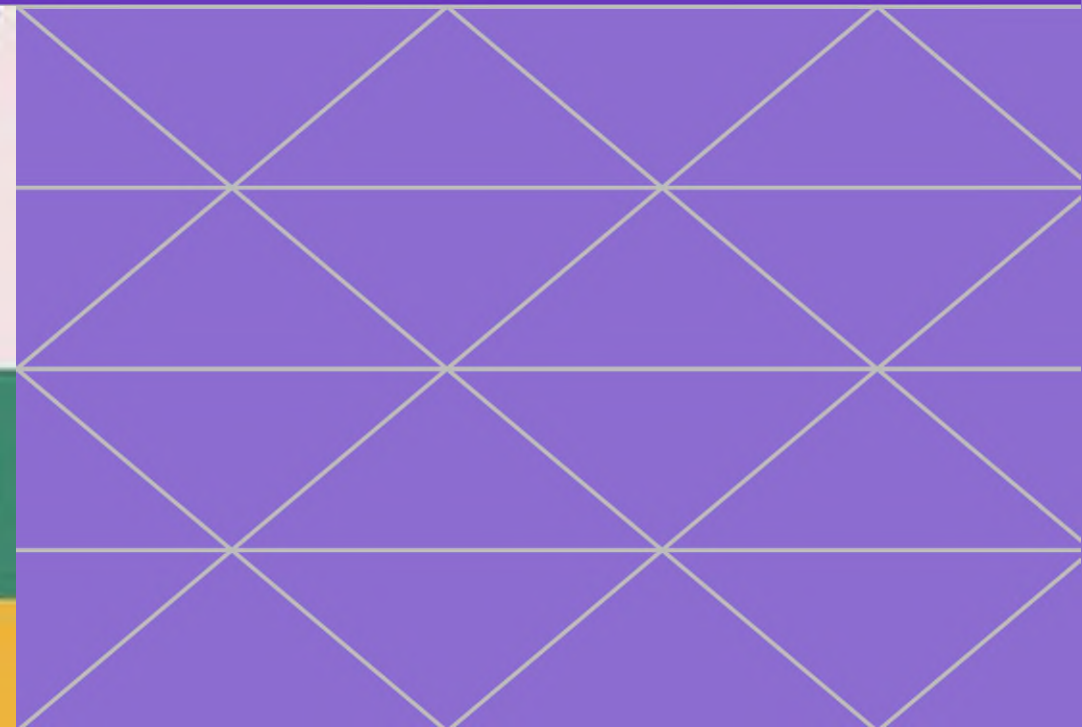


# So, What does a Sustainability Consultant actually do?

Designing an authentic sustainability consulting module

**Yasmin Kulasi & Dain Robinson**

June 2025 King's College London



- The context and background
- Aligning to our Education Strategy
- The exam question
- How the module was developed
- Third space pedagogy: Bridging academia, practice & inclusion
- Creating the third space
- Module overview
- The weekly breakdown
- The module assessments
- Key consulting competencies



# The context and background

The University of Westminster is based in Central London with over 60% of students from BAME backgrounds.



## Vision:

Our University is a place where discoveries are made, barriers are broken, **diversity is celebrated** and where everyone is welcome.

Our people stand out as significant contributors to their communities – through their innovation, enterprise and problem-solving – seeking to make the world a more **sustainable**, healthier and better place.

## Mission:

To help students and colleagues from **different backgrounds fulfil their potential** and contribute to a more **sustainable**, equitable and healthier society.



# Aligning to our Education Strategy

The University's current Education Strategy shows strong commitments to ESD and Authentic learning.



## Authentic Learning

- ✓ **Engaging students in the construction of knowledge for wider benefit e.g. the UN Sustainable Development Goals**
- ✓ *Experiential, active and discursive modes of delivery on all courses, including **accessible, varied, authentic and inclusive** means of assessment*
- ✓ **A learning environment and professional development that supports authentic and active learning**
- ✓ *Clear pathways that enable all students to develop capabilities for employability, the workplace, lifelong learning and their future role in communities*
- ✓ *Demolishing walls between disciplines and enabling creative co-delivery*

# How can we create a sustainability module with a strong focus on professional & leadership development for UG students?

## Key criteria:

- ✓ Be accessible for any and all students
- ✓ Focus on practice, over theory of Sustainability
- ✓ Design co-creative and collaborative assessments for students
- ✓ Simulate a professional consulting experience
- ✓ Use authentic learning methodologies, embodying the “third-space”<sup>1</sup>
- ✓ Embed partner-engaged and service-learning methodologies to support local knowledge exchange

# What is sustainability consulting?

While specific client offerings differ across consulting firms, the main features of sustainability consulting as well as its areas of support remain consistent to provide clients with end-to-end services that align with demand and regulatory drivers.



## Common topic areas of corporate sustainability:



Climate action



Biodiversity & ecosystem services



Environmental management



Supply chain & procurement



Finance & investment



Corporate social responsibility



Governance & reporting



Circular economy



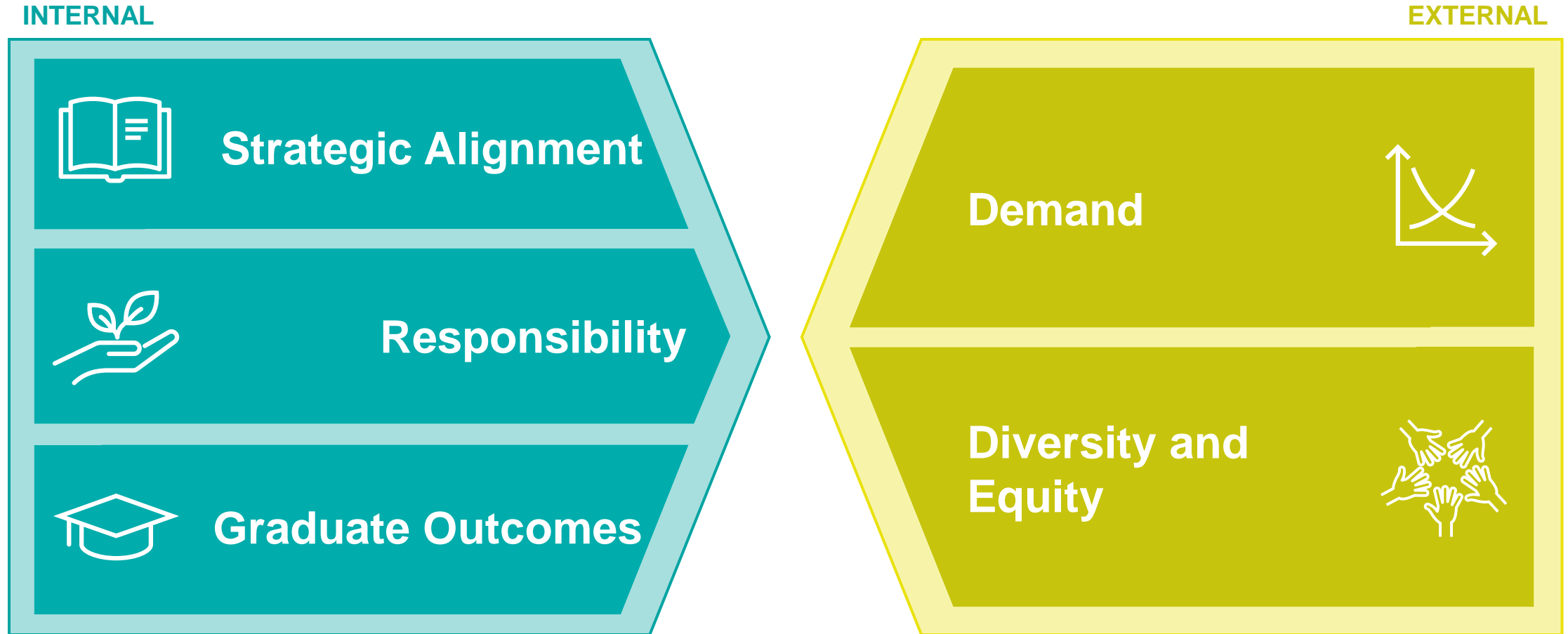
Innovation & technology



Stakeholder engagement

# Why sustainability consulting?

Various internal and external drivers informed the development of this module.



# How the module was developed

The module was designed via three discrete phases.



## ***Phase 1: Initiation & Research***

The primary focus for the first phase of the project was to **understand the current baseline** of ESD activities across the University to **identify key internal stakeholders** and **existing best practice**. Desk-based research was also carried out on ESD activities across the sector.



## ***Phase 2: Stakeholder Engagement***

Phase 2 focused on **engaging with key stakeholders** to further understand current best practice, challenges, and opportunities across the University. The engagement activities were held as 1-2-1 and group interviews.



## ***Phase 3: Definition & Planning***

The final phase brought together the findings from phases 1 and 2, to **design and develop** an innovative module focusing on sustainability consulting.

An **implementation plan** and **change management plan** was also delivered.



# Third space pedagogy: bridging academia, practice & inclusion

Academic works which influenced our approach

---

**‘Third Space’ – Origins in Cultural Theory (Bhabha, 1994)**

**Adapted to learning contexts (Gutierrez, 1999)**

**Horizontal vs Vertical Learning (Gutierrez, 2008)**

**Boundary crossing & Professional Knowledge - Akkerman & Bakker (2011) Zeichner, K. (2010)**

# Third space pedagogy: bridging academia, practice & inclusion

Key concepts to bring the third space to life.



Blurring boundaries between theory and practice



Cross-Functional Collaboration and Boundary-Spanners



Students as Co-Creators of Knowledge



Employability Through Authentic Learning



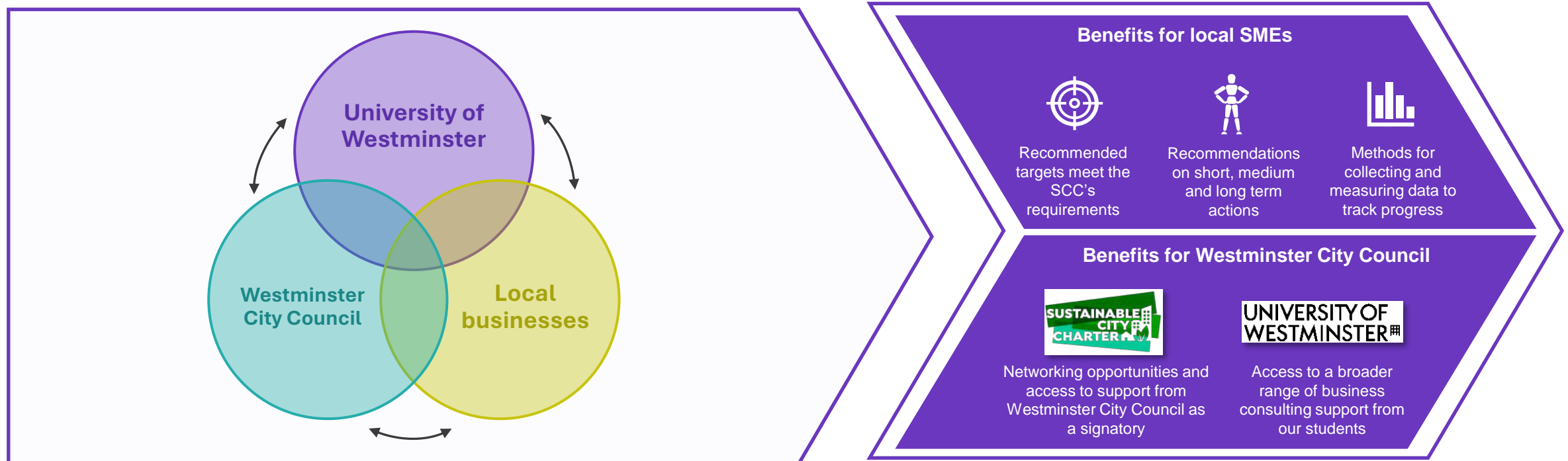
Inclusive and Culturally Responsive Pedagogy



Bridging Students into Professional Communities

# Creating the third-space

The module has been designed to benefit not only our students but also local SMEs and Westminster City Council, in alignment with its Sustainable City Charter.



# The Pedagogical Thinking

This module draws on various pedagogical models to provide our students with comprehensive and authentic learning opportunities which closely resembles the management consulting experience.



## Authentic learning

An experience that it is situated in or corresponds to the 'real world' (Kreber, 2013). Pitchford et al, (2021) interpret this as going beyond the campus walls

Newmann et al. (2007) and Herrington & Herrington's (2006) work emphasise:

- Originality in constructing knowledge
- Value beyond academia.
- Experiential rather than abstract learning.
- Mutual benefit for both students and recipients of knowledge

### Service learning (Furco, 1996)

Combines classroom learning, service activities & critical reflection

Service learning projects rooted in needs of local community (Pitchford et al 2021), well integrated in USA

Reflective  
learning

Collaborative  
learning

# The weekly breakdown

The four hours of scheduled weekly sessions across twelve weeks have been broken down into two, two-hour weekly sessions.

Session 1

Lecture, group  
playback and  
discussions



Tutorial / practical  
sessions



Session 2

Guest lectures /  
interview  
or fieldtrip



Group work and self  
reflections



Each week we will bring the outside, in, for our students to connect with and hear from industry professionals, alumni, leadership coaches, consultants, sustainability leaders, and the Westminster City Council.



**ARUP**

**Deloitte.**



**BELU**

**accenture**



# The module assessments

The assessments in this module heavily involves group working, as well as personal reflections to closely simulate a management consulting experience for our students.

## Consulting Development Journal

- Critical reflection and analysis Learning from challenges
- Assess effectiveness of expectations
- Learning from risks and failures

## Client deliverables

- Stakeholder relationship development and management
- Client industry research
- Visual articulation of research according to consulting expectations

## Presentation

- Distillation and articulation of research outputs
- Oral and visual presenting
- Ability to respond to unexpected stakeholder questions

## Professional Practice

- Team work and collaboration
- Leadership development
- Personal professional development

# The module assessments

The assessments in this module heavily involves group working, as well as personal reflections to closely simulate a management consulting experience for our students.



## Group work

Students will be working in teams of 4-6 individuals across the entirety of the 12 weeks. The teams will be working with a local business to support their Sustainability journey by:

- Setting sustainability targets against themes set out by Westminster City Council to increase sustainable action amongst businesses
- Providing short, medium and long terms actions that can be taken to meet the targets
- Data collection and tracking methods for measuring and monitoring progress against the targets

The teams will also carry out weekly group reflections using retrospective methodologies found in Agile<sup>1</sup> and Scrum<sup>2</sup> frameworks. This will be a guided and structured weekly exercise to encourage teams to improve communication, collaboration and overall performance.



## Personal reflections

Each week, students will write a reflective journal on their week's learnings and performance. Weekly on-time submission of the reflections as well as overall quality of the reflections will be assessed.

Students will be provided with specific questions to guide their reflective thinking also using retrospective methodologies found in Agile<sup>1</sup> and Scrum<sup>2</sup> frameworks:

- What went well?
- What didn't go well?
- What are the opportunities or ideas for the future?
- What are the actions we can take for future improvements?

# Key Consulting Competencies

- **Consulting & Client Management**
- **Leadership & Collaboration**
- **Critical Thinking & Problem Solving**
- **Professional Communication**
- **Reflection & Self-Development**
- **Civic & Ethical Responsibility**

# Thank you

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Dain Robinson: [dain.robinson@inclusivesustainability.co.uk](mailto:dain.robinson@inclusivesustainability.co.uk)



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# **Enhancing student engagement through Vygotskian inquiry-based learning**

**Dr An Nguyen & Dr Canh Dang (KCL)**

***The project is generously funded by the Innovate Education Fund, KCL***

# Overview

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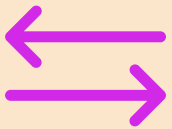
## Context and challenges

What are the steps?



## How is it going?

Academic Essay  
Competition and  
Undergraduate Journal



## Scholarship Research

Sociocultural learning  
theory and a three-step  
intervention



## Take-away and Discussion

# Understanding Challenges

## Plagiarism

Uncredited use of someone else's work or ideas.

## Cheating and Unethical Behavior

Act of deceit or dishonesty in an academic environment.

Unacceptable conduct that violates academic standards.

## Engaging undergraduates in research beyond RAs

Most are industry/career-oriented

## Researched-oriented student activities

Research-led teaching but little on research-led learning at undergraduate level



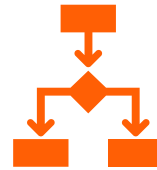
Photos credit to Pexels

# Promoting Student Engagement



## Integrity Development

Contributes to the development of ethical behavior and academic integrity.



## Enhanced Learning Outcomes

Engaging in research enhances critical thinking and analytical skills.



## Academic Growth

Stimulates academic growth and fosters a deeper understanding of subjects.



# A scoping Review: Structural gaps in undergraduate research

Scope: 43 institutions, 267 Business and Management programmes



## Dissertations

54% required

Strongest in Marketing (73%), weakest in Accounting (52%)



## Student journals

Only **9 institutions** had formal, peer-reviewed journals

RG journals had **editorial mentorship**; P92 offered informal blogs or portfolios

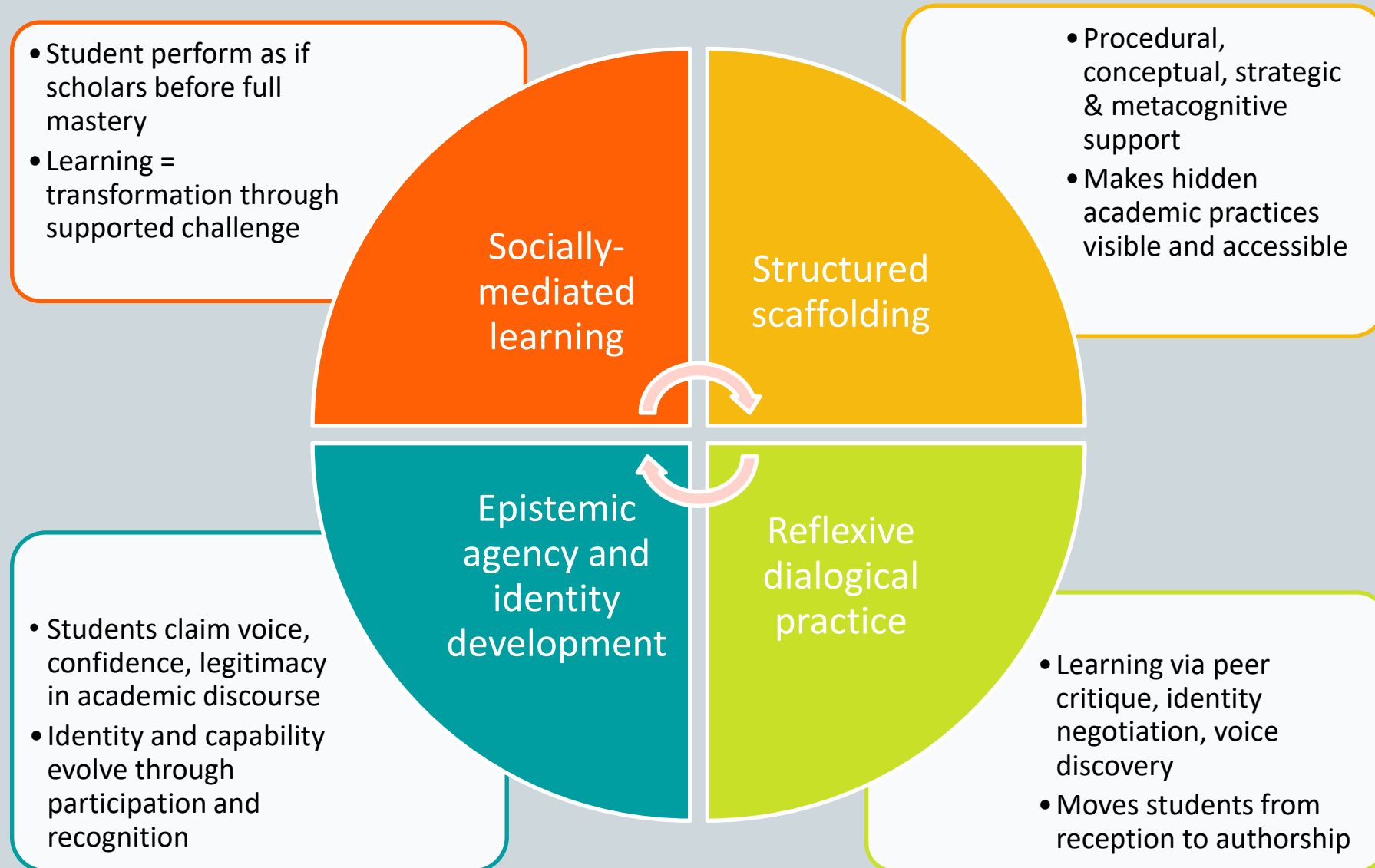


## Funded research schemes

**10 RG** offered UROPs/Laidlaw

**0 P92** had funded schemes → severe access disparity

# Vygotsky's socio-cultural learning theory



# Action Research Design



**Context:** Diverse, multilingual student body (80%+ non-native speakers) with limited research experience

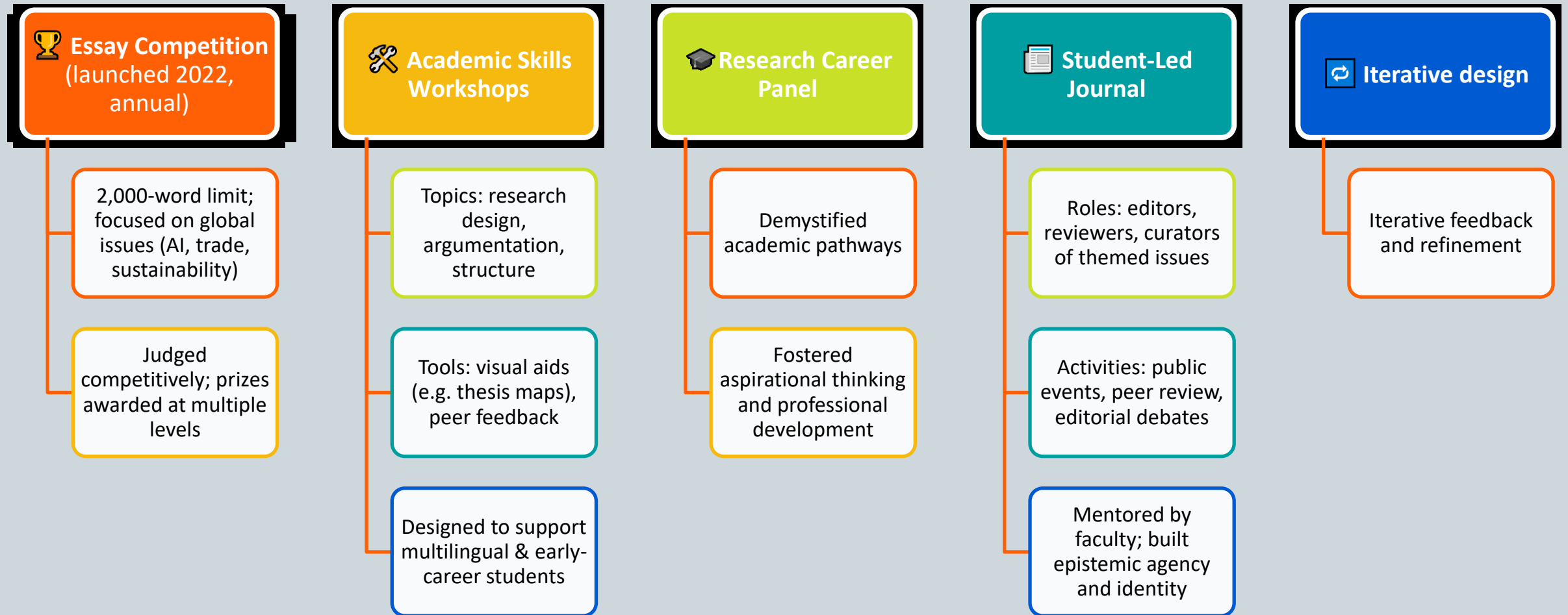


**Approach:** Action Research = intervention + theorisation + institutional responsiveness

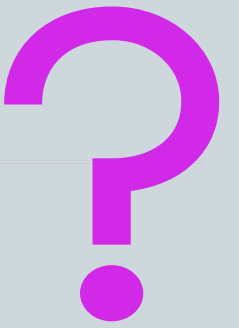


**Philosophy:** Constructivist, socially mediated, and **co-produced knowledge**

# The Intervention: Structure & Activities



# Step 1. Start with a Theme



- What would interest **YOUR** students?
- Which topic would be most inclusive and also academically relevant to your school?
- KCL Research Agenda, KBS 2020 Vision, and Academic Interest (for Business students)

## The Inaugural King's Business School Essay Competition: Sustainability



## The 2nd King's Business School Essay Competition Automation, AI, and The Economy





King's Business School Essay Competition 2024/2025

Welcome to

The 3rd King's Business School Essay Competition

Tariffs, Trade War, and the Economy

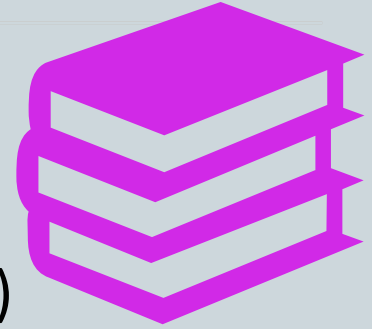


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## Step 2. Funding and Institutional Support

---





- Internal educational funds, support from HoD and Vice Dean (Education)
  - **Apply for IEF in November 2022, but discussions since Sep 2022.**
  - Funding for organisational cost, prize moneys, referees (markers) compensation (PhD candidates at least)
  - set-up cost for the journal, running cost for the journal (volunteer)
  - Long-term view: self-sustained via commercial sponsorship?

# Step 3. Setting up and Promotion



- Posters, in lecture promotions, words of mouth, emails (constantly), newsletters, personal tutor meetings, and emails and newsletters ...



## 2024 KING'S BUSINESS SCHOOL ESSAY COMPETITION AUTOMATION, AI, AND THE ECONOMY

### DETAILS

- Open to all undergraduate students from KCL
- 2,000 words maximum
- Evidenced-based, informative, persuasive essays
- Essays on current social issues such as automation, AI, sustainability, economic growth, public policies, and management practices are all welcome

### PRIZES


- The best Overall entry - £600
- The best essay in individual category: Economics, Management, Honourable Prize for First Year, Second Year and Third Year students, £200
- Award Certificates from the Department of Economics, KBS, King's College London
- Opportunities to be published in the King's Business School undergraduate research journal

### WORKSHOP

- A two-hour workshop on Doing Research in Economics, Business, and Management Studies for pre-doctoral students
- Free and open to all students enrolled in a course at KBS
- Time and date: February, 2024 (TBC)
- Deadline for workshop registration: Please follow the website

We are also recruiting editors for the KBS Undergraduate Research Journal (open to all KCL students) and for referee roles (open to PhD Candidates only). Applications are considered on a rolling basis.

**DEADLINE: 17 APRIL 2024**

For more information, please visit the website or scan the QR 

<https://kbsessaycompetition.wordpress.com/>



## The Inaugural King's Business School Essay Competition Sustainability

### DETAILS

- Open to all undergraduates enrolled in a KBS course
- 1,500 words maximum
- Evidenced-based, informative, persuasive essays
- Essays on sustainability, in any sense of the word, based on topics in economics, finance, management, business studies, marketing, technology, and human resources, ... are all welcome

### PRIZES

- The best Overall entry - £600
- The best essay in individual category: Economics, Management, Honourable Prize for First Year, Second Year and Third Year students - £200
- Award Certificates from the Department of Economics, KBS, King's College London
- Opportunities to be published in the 1st King's Business School undergraduate research journal

### WORKSHOP

- A two-hour workshop on Sustainability Research in Economics, Business, and Management Studies for pre-doctoral students
- Free and open to all KCL students
- Time and date: Wednesday 1 February 2023, from 14:00 to 16:00.
- Deadline for workshop registration: Monday 30 January 2023, 23:59.

We are also recruiting founding members for the first KBS undergraduate research journal (open to all KCL students) and for referee roles (open to PhD Candidates only). Applications are considered on a rolling basis.

**Deadline: 06 April 2023**

For more information, please visit the website or scan the QR code 

<https://kbsessaycompetition.wordpress.com/>



# The Editorial Team and 2024 activities



# The Journal



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Chakri (Jack) Swartz .....	Co-Editor in Chief

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Sharanya Seth .....	Economics
Raees Arif .....	Finance & Business
Zain Lodhi .....	Management
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Pramika Vaseckaran .....	Finance and Business
Jasmine Binti Surif .....	Management
Nicole Lim Re Gin .....	Political & Development Economics

### CREATIVE AND ACADEMIC CONTRIBUTORS

Jasmine Binti Surif .....	Co-Creative Editor
Nicole Lim Re Gin .....	Co-Creative Editor
Dr. Canh Thien Dang .....	Academic Advisor



# The Journal



## LIST OF CONTRIBUTORS

Volume II - YEAR 2024/25



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*Co-Editor In Chief*



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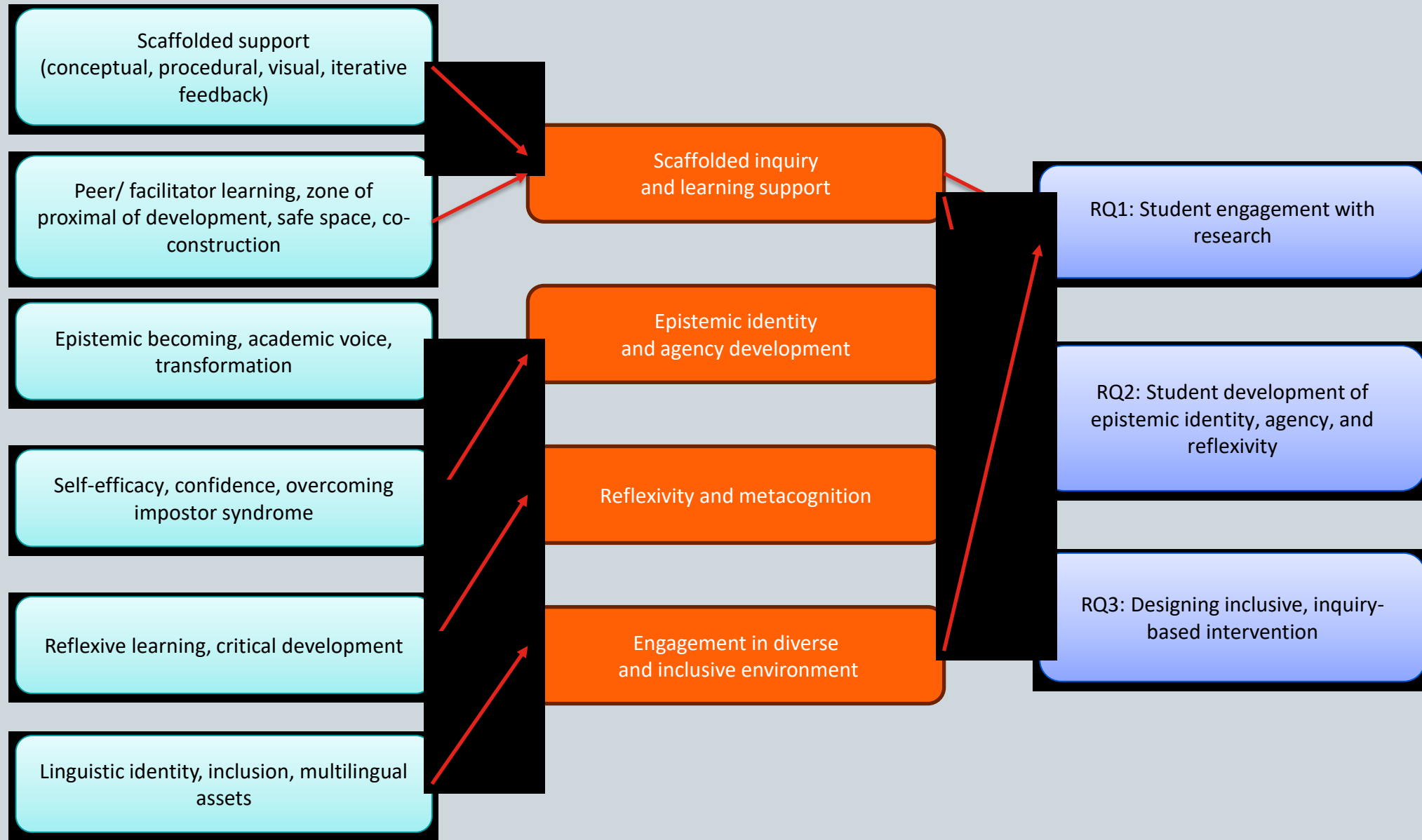
# Summary of data collected across three cycles

## Data sources:

- Post-intervention student questionnaires (n=35 total)
- Annual practitioner reflexive reports (n=3)

Academic year	Student questionnaire	Practitioner report
2022 – 2023	8	1
2023 – 2024	12	1
2024 - 2025	15	1

# Thematic analysis: code structure



# Theme 1: Scaffolded Inquiry & Learning Support

## Scaffolded learning structures

*‘I’ve always been interested in sustainability but never thought I could contribute something academically meaningful as an undergrad. The essay competition changed that. [..].’*

*Ricardo, male, non-native, 22*

*‘I left with a clear sense of direction, which I didn’t have before. [...] The facilitators didn’t assume we knew — [...] Nicole, female, non-native, 21*

Intentional scaffolding (**procedural, conceptual, social**) enabled students—especially from **non-traditional backgrounds**—to **access, author, and own** academic inquiry.

# Theme 1: Scaffolded Inquiry & Learning Support

## Structured visual pedagogies and clarity

*‘We did a mapping exercise which involves outlining how every paragraph linked to the overall thesis. It was painful but eye-opening. I realised my first drafts were basically bullet points in fancy language. I’m now a lot more strategic.’ Jamal, male, non-native, 21*

The workshops also **leveraged visual tools** and **structured pedagogies** to render academic conventions visible and navigable



# Theme 1: Scaffolded Inquiry & Learning Support

**Zone of proximal development** and more knowledgeable others

*‘The facilitators broke things down using analogies. One example that I remember was: ‘Your thesis is the compass. Without it, your reader is lost.’ That stuck with me.’ Kareem, male, non-native, 22*

Facilitators not only **modelled academic norms** but translated them into **culturally and linguistically accessible** formats, aligning with SCT’s emphasis on mediated learning.

## Theme 2: Epistemic identity and agency development

**Epistemic identity formation:** from outsider to contributor

*‘I think I’d never thought of myself as someone with ‘a position’ before. The workshops helped me find it. [...].’ Omar, male, non-native, 21*

*‘I never imagined that I’d be discussing the peer review report on journal manuscripts with my professor as an undergraduate! [...] I could discuss the strengths and limitations of the paper[...] This gave me enormous confidence.’ Mohammad, male, native, 21*

Through repeated social recognition and opportunities to make knowledge claims, students began to author their academic selves, transitioning **from passive learners to emerging scholars**.

## Theme 2: Epistemic identity and agency development

### Academic **self-efficacy and empowerment**

*‘We made a deliberate decision to move away from the ‘remedial’ narrative. [...] One student asked, ‘So... do I get to critique this scholar?’ And I replied, ‘Yes. You’re part of the conversation now.’ That moment felt emblematic.’ Practitioner C, Year 1*

*“It felt like we were part of a scholarly community, not just isolated students.’ Hana, female, non-native, 20*

This alignment of **individual confidence with collective participation** exemplifies how **empowerment** was scaffolded through both **structural design and relational practice**. Participation in inquiry became a transformative process of identity formation, shaped by challenge, affirmation, and community.

# Theme 3: Reflexivity and metacognition

Critical reflexivity: **questioning as transformation**

*‘One notable moment came during a peer review session. A student critiqued another’s essay by saying, ‘This feels safe — where’s the tension?’ [...].’ Practitioner C, Year 2*

*‘By Year 3, the workshops had matured into true academic spaces of co-creation. We moved even further away from a deficit framing and treated students as developing scholars from day one.’  
Practitioner C, Year 3*

**Critical reflexivity** emerged most strongly in student accounts of learning to interrogate assumptions and claim intellectual space. Reflexivity is conceptualised as **emergent through social learning**, a product of structured, collaborative encounters in scaffolded academic communities.

# Theme 4: Engagement in diverse and inclusive environments

## Sociocultural relevance and inclusion

*'I also appreciated how diverse the examples were as they showed case studies from all over the world, not just UK contexts.'* Amina, female, non-native, 21

*'Offering lunch wasn't a pedagogical strategy at first but it became one. [...] These 'in-between' moments were just as impactful as the formal instruction.'* Practitioner C, Year 1

Inclusivity extends **beyond formal curriculum**. **Unstructured time and relational spaces** (e.g. shared lunches) allowed deeper conversations about belonging, confidence, and cultural dissonance, fostering **mutual recognition** and **lowering barriers to participation**.



# Discussion – Transformation through Sociocultural Learning

## Transformation through Sociocultural Learning (Vygotsky, 1978)

- Engagement is socially mediated, not just skill-based
- Students progressed through the Zone of Proximal Development (ZPD)
- Scaffolding enabled identity development as researchers (Ricardo, Nicole, Mohammad)

## Role of Structured Scaffolding

- Inclusive scaffolding (procedural, conceptual, metacognitive) demystified academic norms
- Promoted epistemic justice for diverse learners
- Bridged hidden curriculum gaps (Palincsar, 1998)

## Reflexivity as Dialogic Practice (Cunliffe, 2002)

- Reflexivity emerged through peer dialogue, critique, and discomfort
- Aligned with O'Brien (2024); Hibbert & Cunliffe (2015) on affective, sociolinguistic dimensions of agency
- *'Reflexivity must be scaffolded, relational, and safe'*

# Discussion – Institutional Implications & Theoretical Contribution



## Bridging Institutional Gaps

- Many business schools limit research to final-year or elite tracks (Zou et al., 2022)
- This study offers a multi-entry, inclusive model: Essay competition, Workshops, Student-led journal
- *Supports confidence, visibility, belonging*



## Call for Practice & Policy Reform

- Institutions must restructure extracurricular pathways
- Avoid capstone-only approaches; scaffold research early and accessibly
- Interventions challenge native-speakerism and promote epistemic inclusion



## Theoretical Contribution to IBL

- Extends IBL by foregrounding:
  - Sociocultural, identity-sensitive framework
  - Longitudinal, action-oriented design
  - *'IBL as identity work—not just knowledge work'*

# Key Takeaway: Reimagining Research Engagement

## Vygotsky's sociocultural theory

Learning is relational,  
scaffolded, and  
transformative

Build **epistemic agency** and  
voice

## Scaffolded inquiry- based learning (IBL)

Meaningful research  
engagement and identity  
development

**An identity-forming  
process**, not just a skills-  
based task

## Action research

Offers a **scalable, inclusive  
model** for business schools  
and beyond

**Management education** as  
relational, inclusive, and  
critically engaged

**Any questions?**

**Thank you!**



# Thank you for your attention!

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