



University of West London

Change, challenge and opportunity in an uncertain world



Sector changes



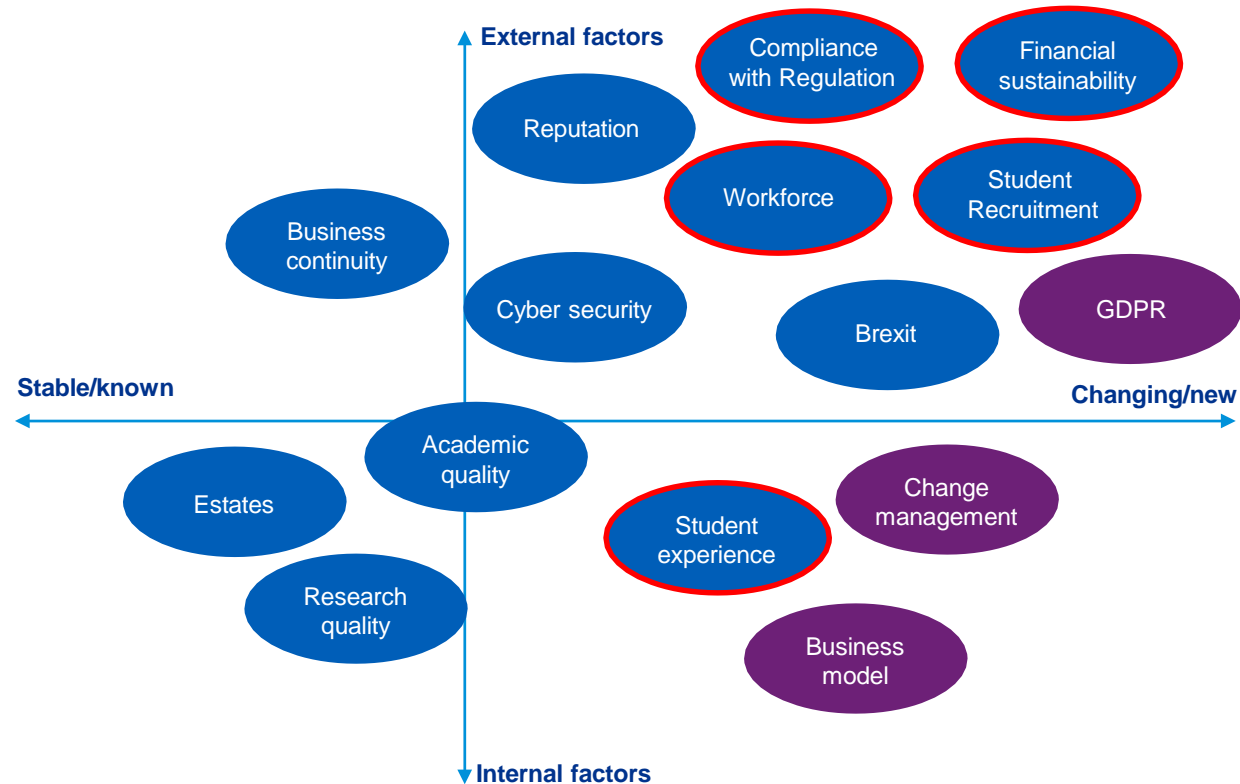
Digital challenges



Future opportunities

The sector: uncertainties and risks

Top 15 risks



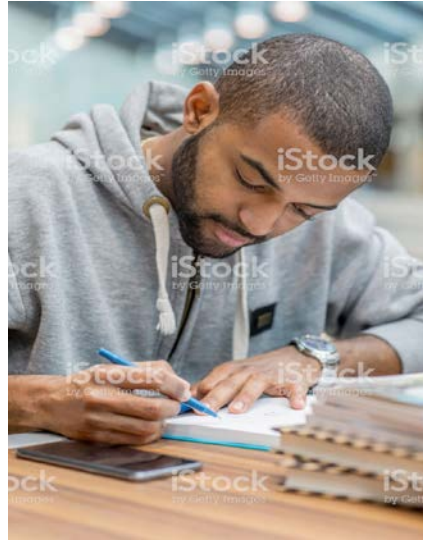
Key: ● Sector risk ● Top 5 sector risk ● Emerging risk

Sector risks

- Financial uncertainty and funding
- Public opinion and perception
- Political uncertainty
- Brexit
- Declining applications
- Staff drain
- International competition
- **Technological threats**
- Regulatory framework
- Pensions
- Mental health
- Populism and anti-intellectualism
- ***Saxton Bampfylde - Survey of Vice-Chancellors' opinions***



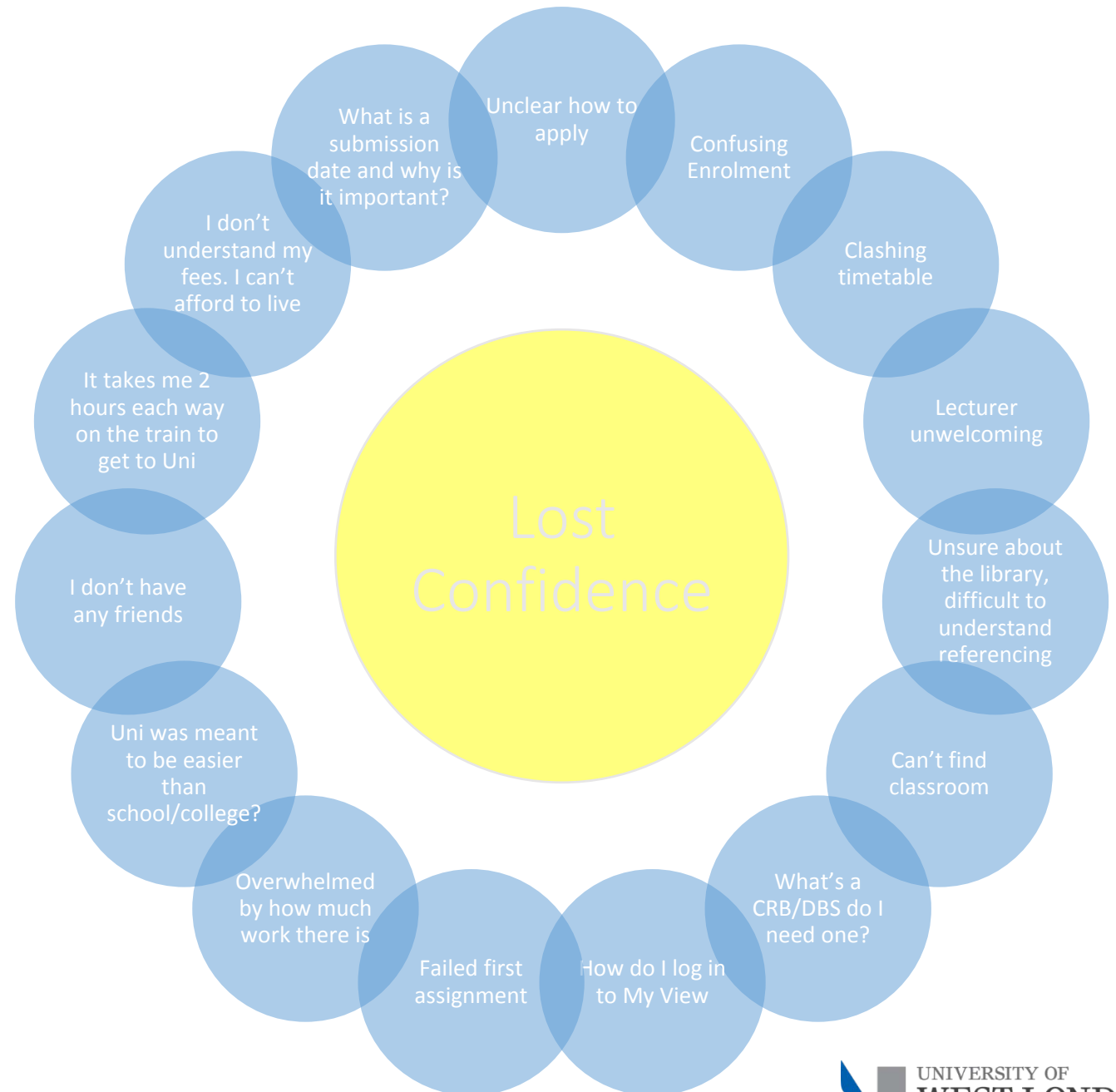
The changing student landscape



- Learning styles
- Learning spaces
- Student Attendance
- Modes of Study
- Digital natives?

Trigger moments

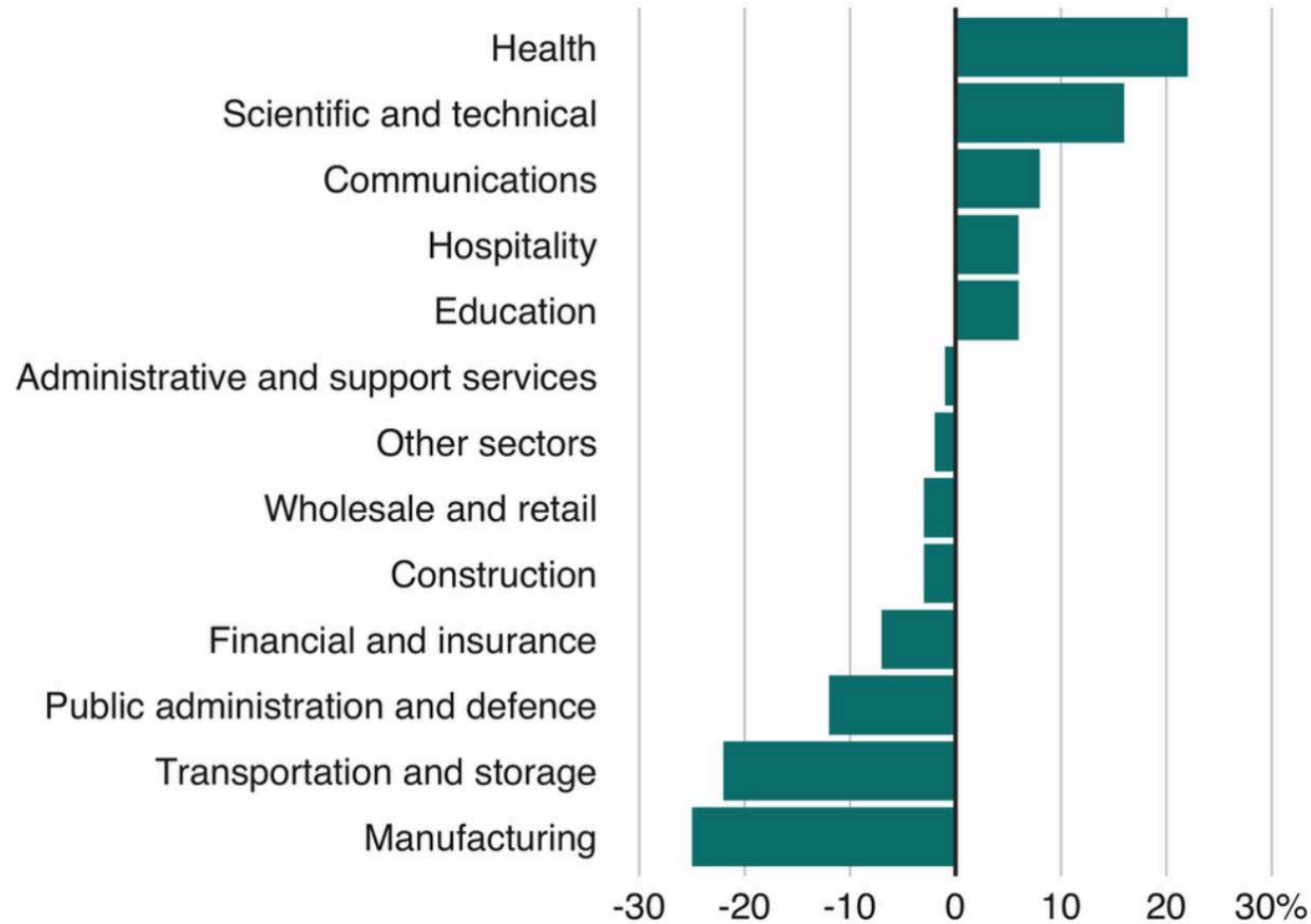
*Bad experiences trigger students into a state of uncertainty, resulting in a **loss of confidence** forcing them to question their pathway and goal*



*Adapted from Swinburne University/Technology One

How AI could change the job market

Estimated net job creation by industry sector, 2017-2037



According to PWC, about 7 million existing jobs could be displaced by AI from 2017-2037, but about 7.2 million could be created, giving the UK a small net jobs boost of around 200,000

‘It’s likely that the fourth industrial revolution will favour those with **strong digital skills**, as well as capabilities like creativity and teamwork which machines find it harder to replicate.’ PWC

46% of long-term UK output growth will come from AI (although this may be higher or lower depending on the sector)

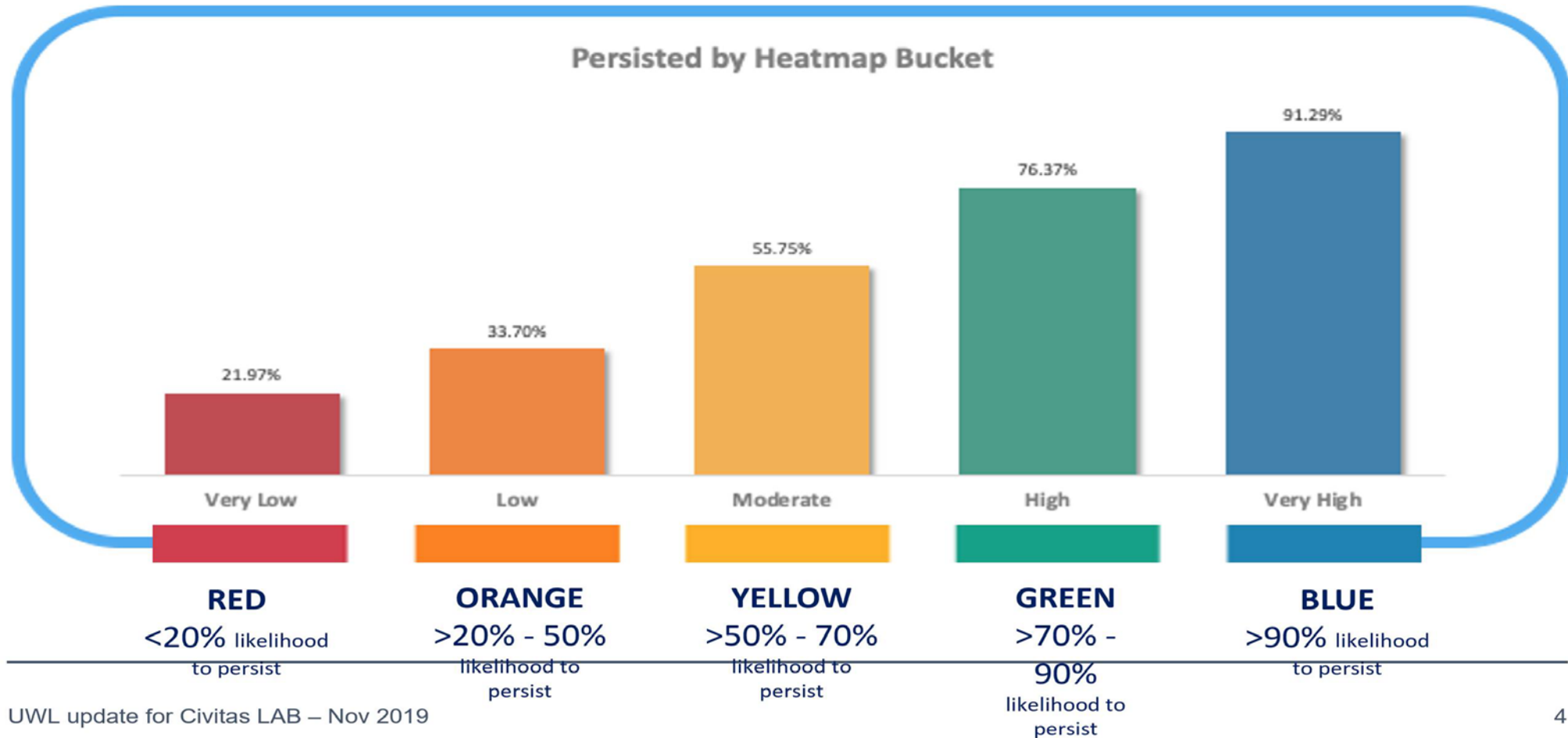
| Skills demand increasing 2022 | Skills demand declining 2022 |
|-------------------------------------|---------------------------------------|
| Analytical thinking and innovation | Manual dexterity, precision |
| Active learning strategies | Memory, verbal, auditory abilities |
| Creativity, originality, initiative | Management of finances & personnel |
| Technology design | Reading, writing, maths |
| Problem solving | Technology installation & maintenance |
| Leadership, social influence | Quality control & safety awareness |
| Emotional intelligence | |

Learning analytics

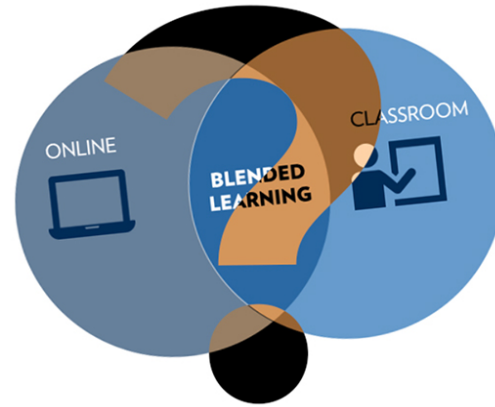


- ✓ For example, 91.3% of students who were predicted with a >90% chance of persisting came returned and 76.4% of those students who were predicted 70-90% to persist came back .
- ✓ We sent over 96,000 interventions from the *Civitas* system last year:
 - *There was a 5.0% rise in continuation for students who were identified at risk*
 - *All at risk students received a personal intervention from the Engagement Team.*
 - *Personal tutors contributed to a 2.0% in continuation, rising to 3.1% when a one-on-one intervention took place.*
 - *The biggest rise (5.1%) came from students who received peer-mentoring (where other students provide them with support).*

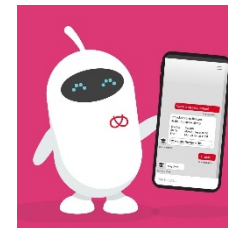
Actual persistence



Digital pedagogy



DIGITAL
PEDAGOGY
LAB



Simulators



Other

- **On Office365:** UWL was one of the very first HEIs to embrace Office365 for more than email, rolling out its Student Portal through hosted SharePoint in 2012, for which we won the coveted UCISA award for 2012. We have since refined the Portal and built upon the functionality available in Office365. Like most HEIs now, students use OneDrive as their default Cloud-based file storage. We also host several of our services through Microsoft Azure, either directly or through third parties (for example, U4SM is hosted in the Cloud on Azure).
- **SRS and CRM:** We contracted TET who have subcontracted Unit4 for their Unit4 Student Manager (U4SM) product and Pythagoras for their CRM product. We are one of four U4SM implementations currently underway. The project is worth c.£5m over 4 years.
- **Student Attendance Monitoring (SAM):** We were the first to work with SEATs to develop their attendance monitoring solution. They have since evolved and refined the product. We are in the process of moving from version 1.0 to their latest Cloud-hosted solution. We have been using SAM in earnest since 2015, so have over 3 years' of detailed student attendance data (millions of data points). The data also feeds into *Civitas* to help predict student persistence (and is often seen as a 'powerful predictor').



The future

- ‘Digital dieting’ to avoid ‘The Shallows’
- Less convenient
- Communication and community
- Market and meritocracy
- Data and deliberation
- ‘Snowflakes’
- ‘Best of times and the worst of times’

‘AI will be either best or worst thing for humanity.

Every aspect of our lives will be transformed.

In short, success in creating AI could be the biggest event in the history of our civilisation’

Steven Hawking





'DOES ANYONE HAVE ANY QUESTIONS
FOR ME TO AVOID'