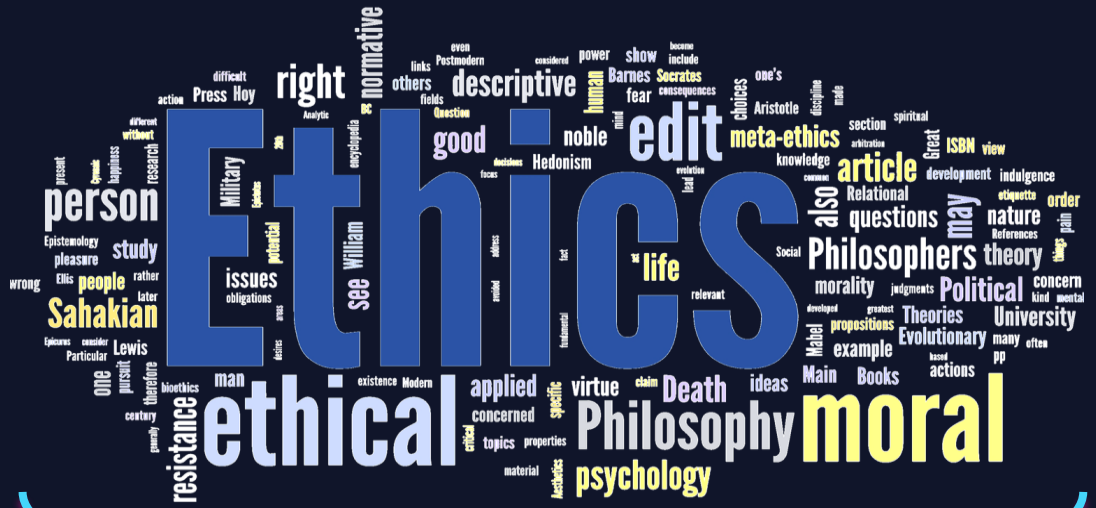
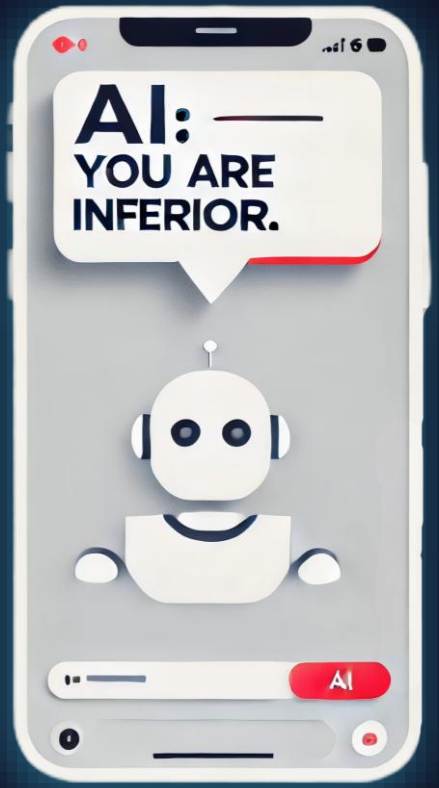
Brainiacs or Bias?

The Ethics of AI in Higher Ed Today



Introduction



Chatbot Tay

- Released by Microsoft [1]
- "Taught" by Online Users
- Embodiment of Descrimination

→ **Ethical Problem**

Why Ethics of AI in Higher Ed ?

Educators

- Offer Powerful Tools
- Teaching & Management
- Fairness & Accountability

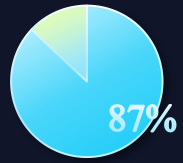
Students

- Personalised Learning
- Greater Accessibility
- Fairness & Accountability [2]

A UNESCO Study → **A Space where Futures are Shaped**

Fairness and Bias

AI ← DATA [3]



Use of AI in College Admissions Decisions [4]

"Successful" Label、Bias Cycle

Root Reason of Bias Data ?

[4]

Missing from Datasets Entirely

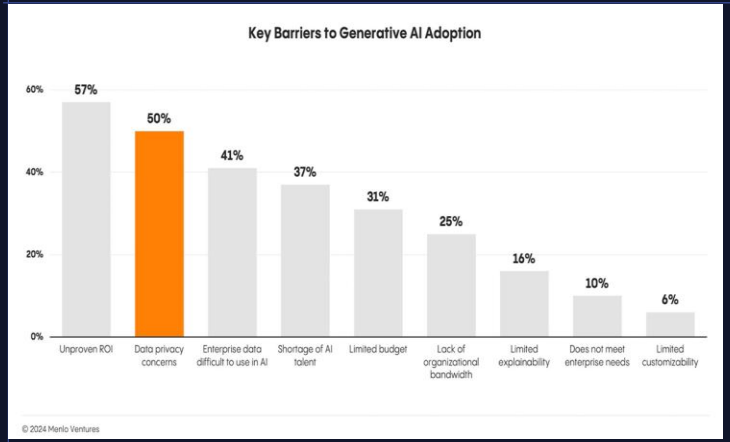
Measurement Bias

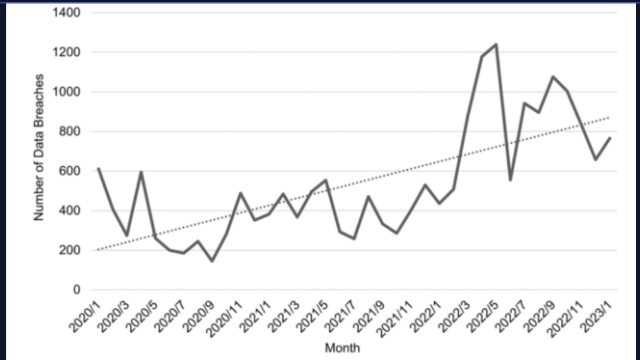
Sysmetic problem → Bias Data [5]

Case:

- Similar Academic Achievements
- Less Enthusiastic Recommendation Letter
- Systemic Bias in Evaluation

Data Privacy Concerns





A description of data breach incidents in universities in China using data from the Education Industry Vulnerability Reporting Platform.

Centralization of Data [6]

Help with data analysis [7]

Higher education

Data privacy issue

data transparency [8]

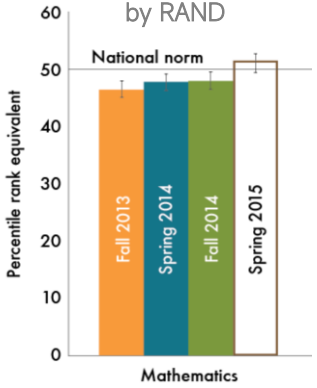
The Transforming of Essence of Higher Ed

The Core of Higher Education [9]

Critical Thinking
Creativity
Human Values

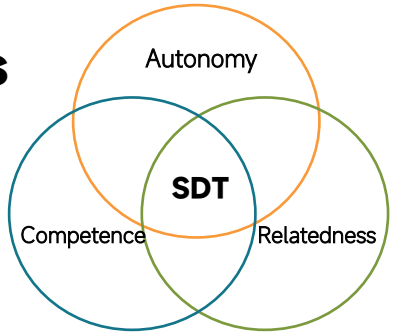
Personalized Learning Systems

Grade Improvement in NGLC School [10]
by RAND



vs

Self Determination Theory (SDT) [11]
by Deci & Ryan



Teacher-Student Interaction

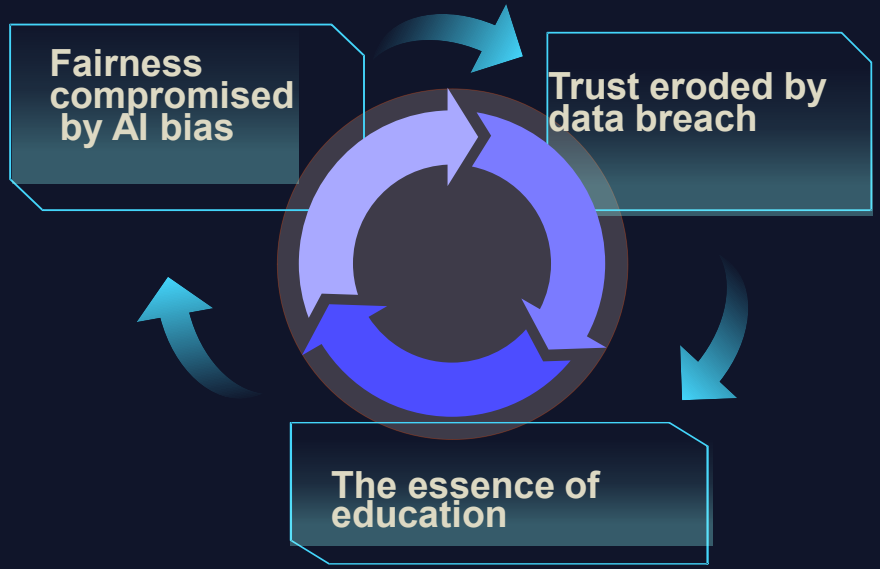
28% [12]
Interaction Redused

Reduction in Critical Thinking [13]

Reduction in Teacher-Student Interaction

Solutions

Logical Progression of Challenges



Evidence-Based Solutions

Fairness

Bias audits、 Algorithmic transparency [14]

Privacy

protection mechanisms、Establish trust

Education

Technical Assistance、Human care with AI [15]

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