

Nissenbaum, 2004, p.143

“In this era of rapid transformations due to computing and information technologies, changes are thrust upon people and societies frequently **without the possibility of careful deliberation over potential harms and benefits**, over whether we want or need them. Practices shift almost imperceptibly but, over time, quite dramatically, and in turn bring about shifts in conventional expectations.”

OpenAI has published the text-generating AI it said was too dangerous to share

The lab says it's seen 'no strong evidence of misuse so far'

By James Vincent | Nov 7, 2019, 7:24am EST

GPT-2 Software - <https://talktotransformer.com/>

GPT-2 was only trained to predict the next word in a text, it surprisingly learned basic competence in some tasks like translating between languages and answering questions. That's without ever being told that it would be evaluated on those tasks.

Presentation at the Department of Language and Linguistics
Learning and Teaching Forum. 10th December, 2019.



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A woman is sitting on a dark-colored sofa, looking towards a laptop computer that is open on her lap. She is wearing a dark top and shorts. The background is a light-colored wall with faint, large letters spelling 'WORTH' and '1000.com' visible. The overall scene is dimly lit, with the laptop screen providing a source of light.

**RETHINKING ASSESSMENT & ACADEMIC
INTEGRITY IN THE AGE OF DIGITAL TOOLS AND
CONTRACT CHEATING.**

Dr Stephen Gow (stephen.gow@york.ac.uk)

Academic Integrity and technology

- **Research** result of massification, internationalisation, marketisation and the internet
- **Scholarship/Research:** Issues of trust & responsibility
- **Assessment:** Issues of fairness in competition
- **Tensions** between elite and massified HE
- **Concerns** raised
- **Policy** implications
- **cultural** implications

If integrity is defined by how you act when nobody is watching...

Preview



1. Artificial intelligence and machine learning becoming increasingly sophisticated (translation and authorship).
1. The issue faced with technology in terms of language learning are just the start of the impact in higher education - are our policies and practices fit for purpose?
1. The changes we make to assessment formats, tasks and marking criteria have an impact on students ethical approach and their motivation to learn.
1. What is good for detecting academic misconduct is not necessarily what is best for academic integrity.

Key questions

- What are we assessing?
- How are the digital tools being used?
- If we are to ban certain tools, how do we detect and enforce this?
- If we change assessments and criteria, what are the implications?

Google Translate & Other Tools



Groves & Mundt (2016, p. 387)

1. Misunderstood as a remedy for lack of writer language proficiency
 2. Clash with academic misconduct policies
- Increasingly advanced (Stapleton & Leung Ka Kin, 2019)
 - Problems for *ab initio* students
 - Problems for EMI and EAP (Groves & Mundt, 2016)
 - Increasing the gap between high and low performing students (Lacore-Martin, 2019)
 - Simplicity of use aids translingual plagiarism (Sousa-Silva, 2013/2017)
 - Google is NOT free - we are training it with our intellectual property (Zuboff, 2018)

UoY Policy



2019/20 York Academic Misconduct Policy - (a)*Breach* and/or (b) *Cheating* failure to comply with the rules of an assessments e.g. unauthorised access to materials in a closed assessment/use of software in open assessment which has been specifically prohibited in the assessment specifications.****

Whose work are we assessing?



- Author(s)
- Other authors/researchers (reference/citation)
- Supervisor
- Editor
- Proofreader
- Digital/AI Tools - Translation/Grammar
- Other authors, researchers, friends (acknowledgement)

Suggested reading: <https://www.sciencemag.org/careers/2001/03/ethics-authorship-feature-overview-how-should-authorship-be-decided>

Contract Cheating

adapted from original slide by
Cees Portman, Turnitin, 2019

- Universities detecting <1%
- Research suggests >6% are cheating via outsourcing to a third party, most likely current students, former students, friends, and family (Bretag et al., 2018)
- Training staff leads to higher detection but also more false positives (Dawson & Sutherland-Smith, 2019)
- Creating a climate of distrust

Authorship
Investigate

Education
Essay mill websites must warn students
about risks of submitting fake work,
catchdog rules

Essay
unive

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Cheating



Derek Newton Contributor

Education
I write about education, edtech and higher education.

Plagiarism
universiti

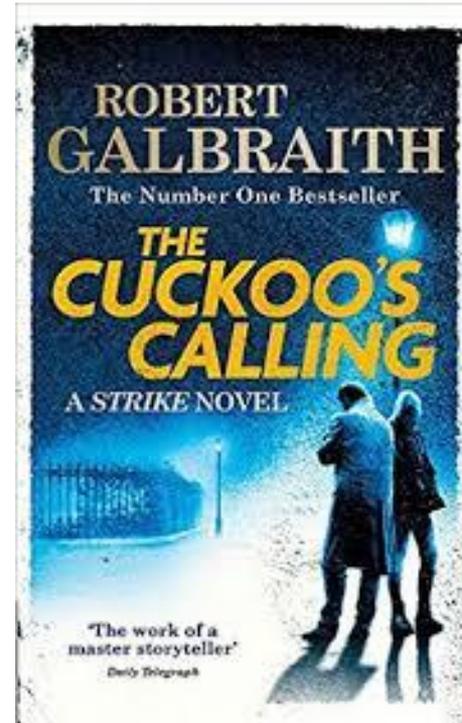
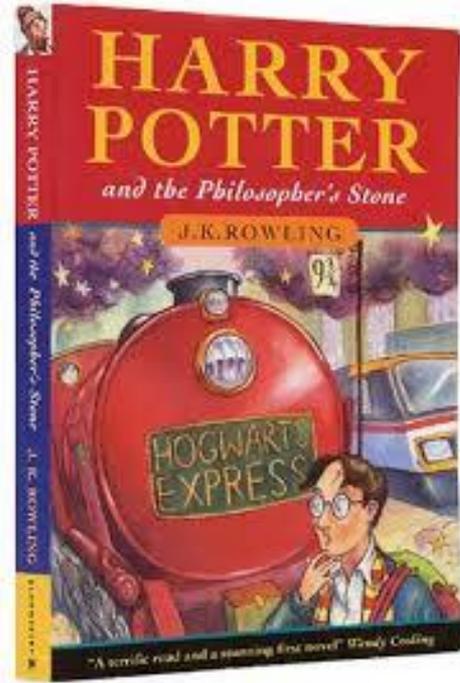
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Forensic Stylometry - Patrick Juola (2015)



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The Future?

Learning Analytics

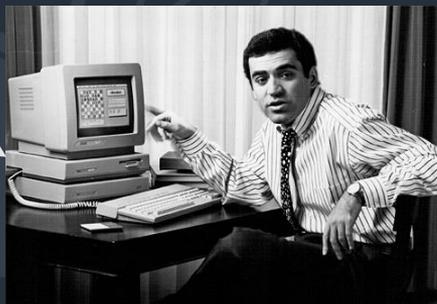
- Forensic Analysis of writing
- BYOD exams
- Lock down browsers
- AI Attendance monitoring
- Monitoring student engagement and performance



Dangers

- Externalising ethics and motivation
- Data colonisation (Couldry & Mejías, 2019)
- Loss of agency/independence
- Policy detached from reality of practice

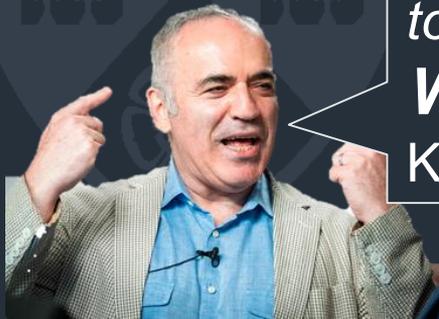
Lessons from chess



Few people in the world know better than I do what it's like to have your life's work threatened by a machine...

We need better humans not less technology.

Kasparov, 2019.



Proposals



- Staff-student departmental research into the use of the tools in different contexts (Edu/Lang & Ling/Comp Sci)
- Staff-student interdepartmental group to judiciously consider further policy and assessment changes (SCA)
- Guidance for students and staff on using digital tools and managing digital distraction - providing initiatives for writing groups



ANY QUESTIONS?

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