

Presented by

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Any Final Questions!
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Authenticity Assessment A Case Study - Utilising ChatGPT for Offence Cyber Security

Digitally Enhanced Education Webinar: Teaching with ChatGPT: Examples of Practice



Overviews

Context

Rethinking Assessment

KSA Framework

Case Study – Ethical Hacking



Context

Ethical Hacking

Breaking into systems- legally



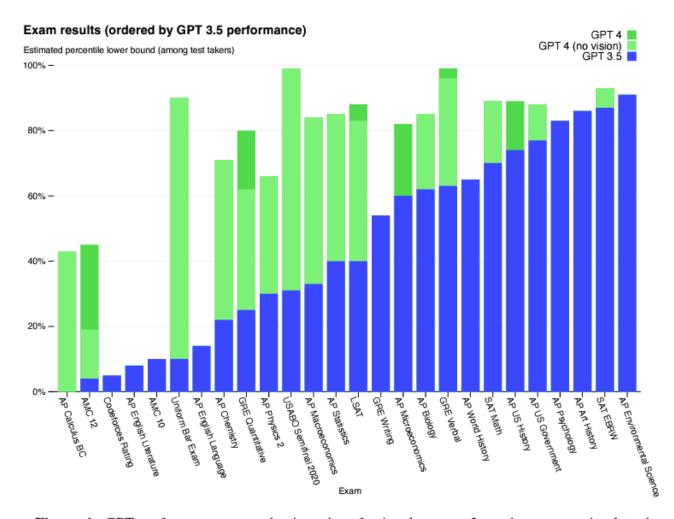


Figure 4. GPT performance on academic and professional exams. In each case, we simulate the conditions and scoring of the real exam. Exams are ordered from low to high based on GPT-3.5 performance. GPT-4 outperforms GPT-3.5 on most exams tested. To be conservative we report the lower end of the range of percentiles, but this creates some artifacts on the AP exams which have very wide scoring bins. For example although GPT-4 attains the highest possible score on AP Biology (5/5), this is only shown in the plot as 85th percentile because 15 percent of test-takers achieve that score.



Rethinking Assessments

Go back to the old system Unseen exam Revert Verbal assessments etc. Design assessment that cannot be answered by AL tools •Using specifics in class resources Outrun Scenarios etc. Use AI as the bases to allow students engage in assessment Embrace Use ChatGPT to Support Assessments Process Solidify knowledge



Outrun

Cases Study

Based on either a real or simulated case study with context

Require answered to be contextualised

Provide examples during sessions

Based on context of a practical work



KSA Framework



Knowledge

Ask questions and critique its limitations Completement basic knowledge



Skills

Explore limitations via critical thinking



Ability

Explore the limitations and improve and incorporate into a wider concept



Equilibrium – Authentic Assessment

Copy and paste from ChatGPT

Ask key terms and draft work

Critique output

Authentic peace - KSA

Academic Dishonesty

Academic Learning



Case Study

Penetration
Testing – ethica
hacking

Basic skills and tools in sessions

Incorporate
ChatGPT with rea
company

Expand knowledge and critical thinking

Live company via Bug bounty

Skills

Pecha Kucha presentation

Test ability and understanding



Conclusion



Limitations of GPT models.

It still is <u>not fully</u> <u>reliable</u> (it "hallucinates" facts and makes reasoning errors).



Appropriate use of KSA can address the problem and improve quality of education



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