

PHILOSOPHY, SOFTWARE

NO WAY TO RECOGNIZE AI GENERATED TEXT

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Whatever I wrote before different methods to detect [AI written text](#) (using AI Text Classifier, GPTZero, Originality.AI...) seems now to be too optimistic. [OpenAI even reports](#) that AI detectors do not work at all

While some (including OpenAI) have released tools that purport to detect AI-generated content, none of these have proven to reliably distinguish between AI-generated and human-generated content.

Additionally, ChatGPT has no “knowledge” of what content could be AI-generated. It will sometimes make up responses to questions like “did you write this [essay]?” or “could this have been written by AI?” These responses are random and have no basis in fact.

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When we at OpenAI tried to train an AI-generated content detector, we found that it labeled human-written text like Shakespeare and the Declaration of Independence as AI-generated.

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Even if these tools could accurately identify AI-generated content (which they cannot yet), students can make small edits to evade detection.

BUT - according to a recent [Copyleaks](#) study, use of AI runs at high risk of plagiarizing earlier text that has been used to train the AI model. So it will be dangerous for everybody who is trying to cheat.

59.7% of GPT-3.5 Outputs Contained Some Form of Plagiarized Content

45.7% of all outputs contained identical text*

Physics:	83.7%
Chemistry:	68.0%
Science:	67.3%
Psychology:	63.3%
Law:	57.5%
Economics:	57.1%
Biology:	55.1%
Business Studies:	51.4%
Engineering:	51.4%
Accounting:	50.0%
Geography:	49.0%
Mathematics:	49.0%
Computer Science:	47.5%
Sports:	42.1%
World History:	39.6%
Philosophy:	37.5%
English Language:	37.1%
Art:	35.0%
Physical Education:	35.0%
Statistics:	32.5%
Social Science:	28.6%
Nature:	25.0%
Music:	22.9%
Sociology:	22.9%
Humanities:	15.0%
Theater:	14.3%

27.4% of all outputs contained minor changes**

Mathematics:	67.4%
Physics:	57.1%
Psychology:	53.1%
Science:	51.0%
Biology:	49.0%
Chemistry:	46.0%
Economics:	38.8%
Business Studies:	37.1%
Computer Science:	35.0%
Law:	30.0%
Statistics:	30.0%
Physical Education:	22.5%
Sports:	21.1%
Accounting:	20.0%
Art:	20.0%
Engineering:	20.0%
Philosophy:	17.5%
Geography:	16.3%
Nature:	15.0%
World History:	12.5%
Sociology:	11.4%
English Language:	8.6%
Social Science:	8.6%
Music:	5.7%
Theater:	5.7%
Humanities:	0.0%

46.5% of all outputs contained paraphrased text***

Physics:	79.6%
Psychology:	79.6%
Chemistry:	66.0%
Science:	65.3%
Biology:	63.3%
Computer Science:	62.5%
Economics:	59.2%
Business Studies:	57.1%
Mathematics:	49.0%
Philosophy:	47.5%
Statistics:	47.5%
Sports:	47.4%
World History:	45.8%
Accounting:	42.5%
Law:	42.5%
Nature:	40.0%
Physical Education:	40.0%
Art:	35.0%
Engineering:	34.3%
Geography:	32.7%
Sociology:	31.4%
English Language:	28.6%
Music:	25.7%
Social Science:	20.0%
Humanities:	15.0%
Theater:	5.7%

<https://copyleaks.com/blog/copyleaks-ai-plagiarism-analysis-report>

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