## iScore helps researchers evaluate Al being used for auto-grading learner's writing

History ? Distributions ? Al powered by LLMs to inference: Content (global) Wording Wording (global) Try an example! large language Sunbathing and Cancer ▼ Summary ID: 1 (2 items) models (LLMs) -1.2260166 Source ? Upload -0.65083504 Sunbathing causes cancer By Alex McFadden, Journalist at slate.com Learners write summaries Summary: 1 V **Model Analysis** According to a recent study, there when reading is no safe way to sunbathe. Even Input Perturbation ? small doses of ultraviolet radiation from the sun and tanning beds may the **textbook** Illtraviolet (IIV) radiation is one of

Track **grades** over time

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Compare expert-scored examples against multiple summaries

Automatically update and compare scores when revising

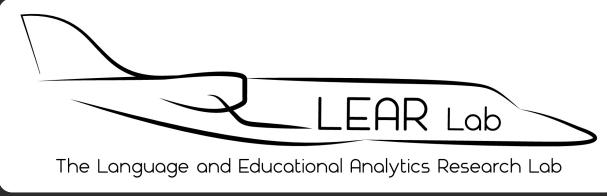
**Visualize** the internal Al model

workings of the



iScore Interpreting How Language Models Score Student Summaries **Scores Dashboard** Assignments Distributions Wording (global) > X: Content (global) V Token Attention Input Perturbation Model: Content (global) V Perturb: words (replace) ✓ Color by: Diff (true) We are thus (...) in a situation (billet; spot; position; place; site; state of affairs; office; post; berth) where people (...) are recommended (...) to use (employ; utilize; apply; utilise; practice; habituate; expend) something that we know(...) is carcinogenic to obtain(incur; receive; find; get; prevail; hold) a vitamin . There are many far safer ways(...) to obtain(...) this vitamin . If you Keyphrases: risk factors Token Attention ? Window: 256 tokens Model: Content (global) V Heatmaps skin cancer Summaries are skin disease auto-graded melanocyte cutaneous biology by the Al using LLMs Summary ? Upload We are thus in a situation where people Perturb: have safe ways to treat vitamin D deficiency if necessary. There is thus no reason to try to guess how much UV radiation one needs to stay healthy. This is neither very are recommended to use grammar? something that we know smart, nor very healthy.\n</s>Sunbathing causes cancer \n\nBy Alex McFadden, Journalist at slate.com\n\n \n\nAccording to a recent study, there is no safe way to sunbathe. Even is carcinogenic to sentences? How to build obtain a vitamin. There small doses of ultraviolet radiation from the sun and tanning beds may cause cancer.\n\nUltraviolet (UV) radiation is one of the most frequent causes of cancer, but it can be avoided. So ✓ words? are many far safer ways to obtain this vitamin. ☐ tokens? says Professor David E. Fisher in an interview with slate.com about his most recent study of the relationship between UV radiation and skin cancer.\n\n \n\nFisher��s study shows that If you suspect that you have too little vitamin Attention: people who have used a tanning bed before the age of 35 have a 75% higher likelihood of developing skin cancer than those who have not used a tanning bed at such an early age. In D go to your doctor to ✓ tokens? fact, the results show that having used a tanning bed even once results in a higher risk of skin cancer.\n\n \n\nAccording to a study conducted in Norway, ��each year, approximately + Add Summary

trust in deploying Al in the **classroom**?





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