Quiz 10 - Open Source w/ Percy Liang (11/18)

Total points 5/5

INSTRUCTIONS:
Each of these quizzes is completion based, however we encourage you to try your best for your own education! These quizzes are a great way to check that you are understanding the course material. You can attempt this quiz as many times as you wish. You only need to complete the quizzes if you wish to earn a completion certificate. More information at the bottom of the course website.

IMPORTANT:
In order to receive credit, use the same email address as the one used to sign up for the course. If you are not sure which email you used, just complete the sign up form again with your preferred email.

PROBLEMS?
If you have any technical difficulties about this quiz, please ask course staff in our LLM Agents Discord.

Email *

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✓ **What is NOT an existing level of access for foundational models? *** 1/1

- ○ Querying the model via an API without visibility into its internal mechanics
- ○ Accessing the model's implementation, including source code and training data
- ○ Utilizing downloadable, pre-trained weights for customization or fine-tuning
- ◉ Altering the model's neural parameters directly through hardware-level adjustments ✓

✓ **According to the speaker, what was NOT an argument for why open-source access matters?** *1/1

- ○ It allows for the use, study, modification, and sharing of the system for any purpose without permission requirements
- ◉ It ensures that any agent can operate with perfect ethical alignment across all domains ✓
- ○ It addresses challenges with APIs becoming deprecated, which impacts reproducibility in research
- ○ It provides researchers the transparency to critically examine and challenge every aspect of the model's design with unrestricted exploration

✓ **In the context of agent memory simulation, which of the following is NOT a useful criterion for memory retrieval?** *1/1

- ○ Temporal proximity to the present moment
- ○ Significance of the memory in relation to life-altering events
- ◉ Randomized selection to ensure unbiased recall patterns ✓
- ○ Contextual alignment with the agent's immediate situation

✓ **How can researchers determine if two models are independently trained?** *1/1

- ○ Take the cosine similarity between the weights of the two models
- ◉ Comparing the similarity between model 1 and model 2 against the similarity between model 1 and the permutation of model 2 ✓
- ○ Retrain model 2 many times and compare the cosine similarities between model 1 with each of the model 2 copies
- ○ Analyze the output distributions of both models without considering their internal structures

✓ **What was NOT a suggestion by the speaker to address the "compute problem"?** *1/1

- ◉ Reducing the use of GPUs to lower environmental impact ✓
- ○ Constructing scaling laws to enable smaller-scale experimentation that can generalize to larger scales
- ○ Leveraging idle GPUs globally through decentralized compute networks
- ○ Advocating for increased funding for public research initiatives and infrastructure