BYOD Al workshop

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Why care about local?

Privacy

- Privacy
- Environmental

- Privacy
- Environmental
- Cost

Attention Is All You Need

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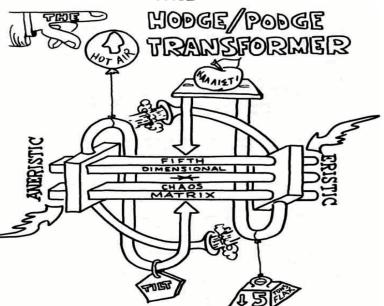
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Context Window and Tokens

- Context Window and Tokens
- Temperature

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- Parameters

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- The Prompt, aka "Programming for English Majors"



...

The hottest new programming language is English

8:14 PM · Jan 24, 2023 · **4.6M** Views

Q 831 **↑** 5.3K

2.7K

1

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- And the response also takes tokens.



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- Low temperature tends to hew towards predictability and repetitiveness
- High temperatures make models get...goofy.

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- And other terms like RLHF (Reinforcement Learning from Human Feedback)
- The larger the model, the more resources it takes to train or re-train.

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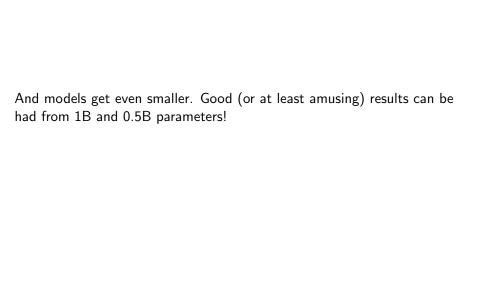
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- Which is why, say, GPT-4 requires this....



And you can run a 7B model on this....





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- Quantized models can use GPUs, and indeed function better if they do, but they don't need them