

The Elegant Simplicity of Deep Learning

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The ~~Elegant~~ Brutal Simplicity of Deep Learning

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ChatGPT **PLUS**

Help me pick

a gift for my dad who loves fishing

Brainstorm edge cases


for a function with birthdate as input, horoscope as ou...

Make up a story

about Sharky, a tooth-brushing shark superhero

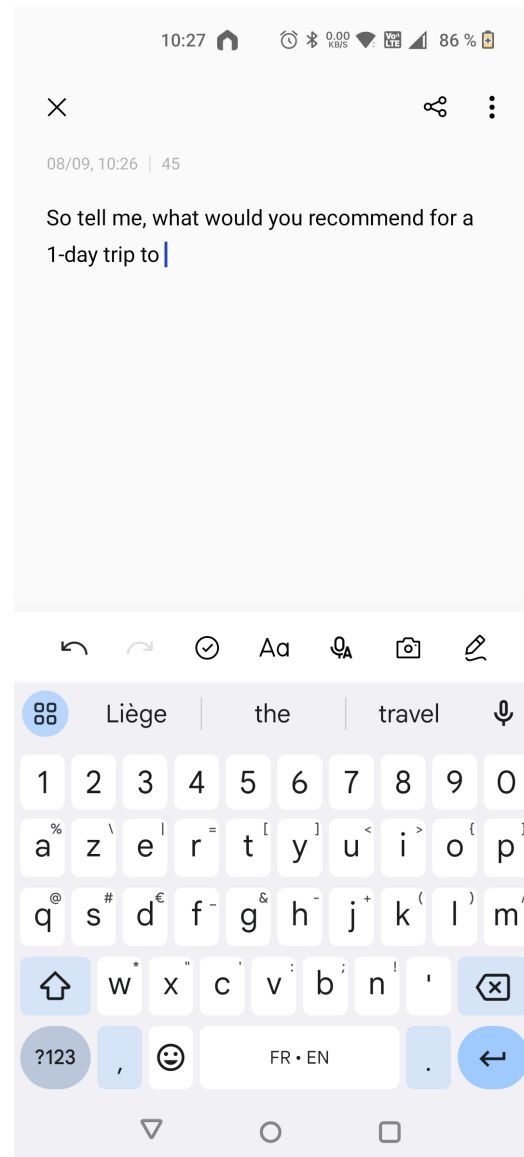
Create a personal webpage for me

after asking me three questions

 Send a message



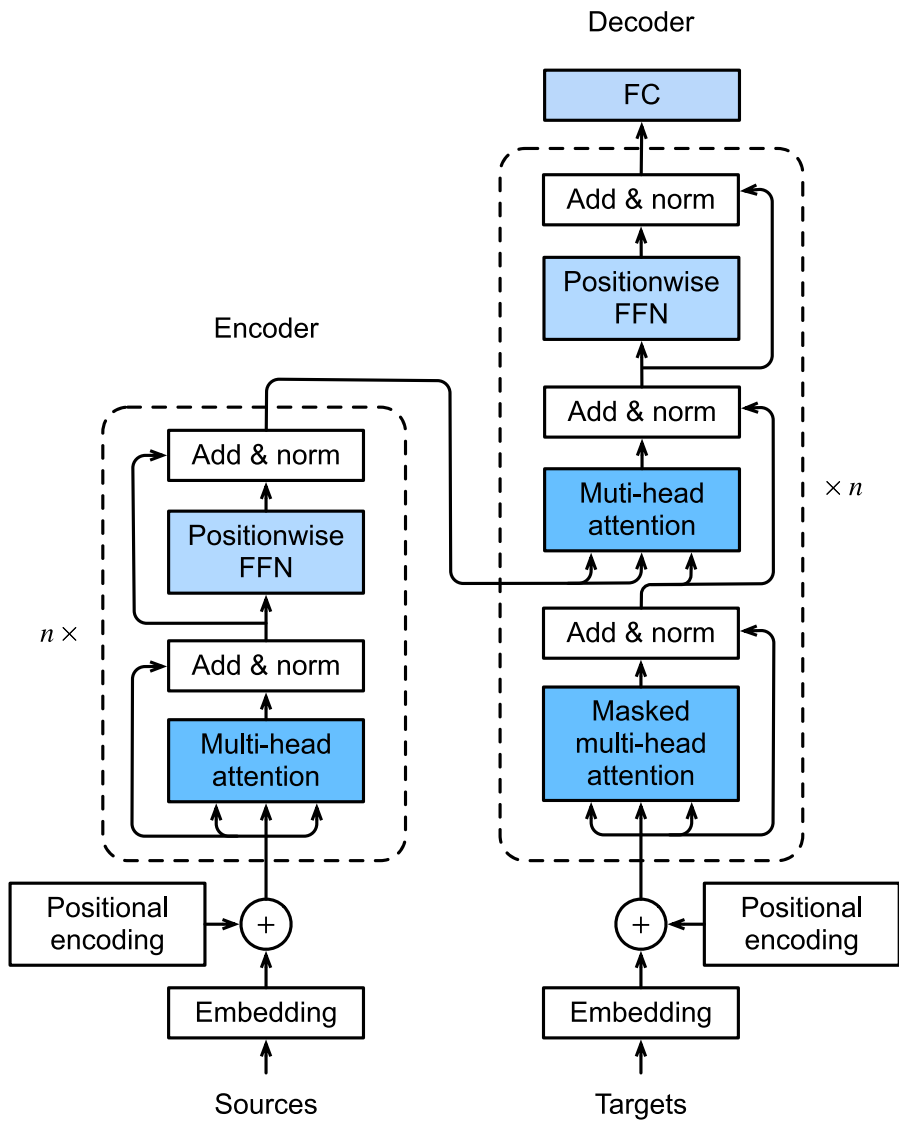
One simple idea:
Guess the next word



John plays the ____

John plays the piano and Mary plays the ____

John plays the piano and Paul plays the ____



John plays the piano and Paul plays the

TEXT

TOKEN IDS

```
1 Translate English to French:  
2 sea otter => loutre de mer  
3 peppermint => menthe poivrée  
4 plush girafe => girafe peluche  
5 cheese => .....
```

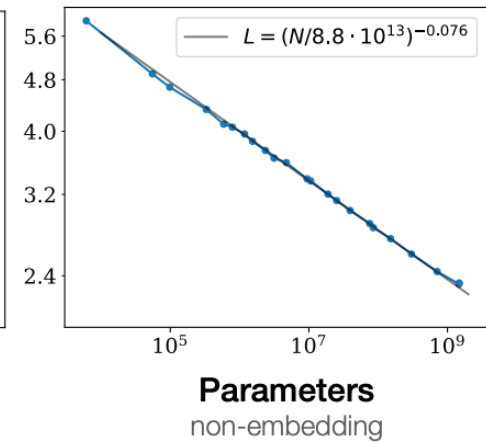
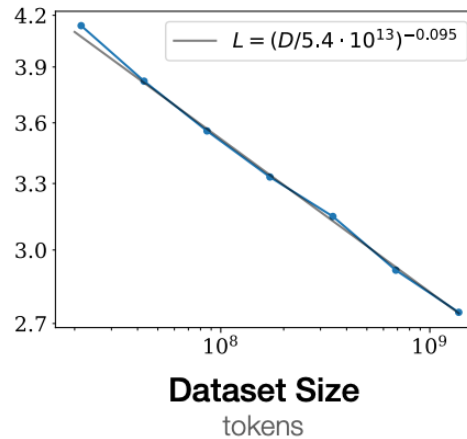
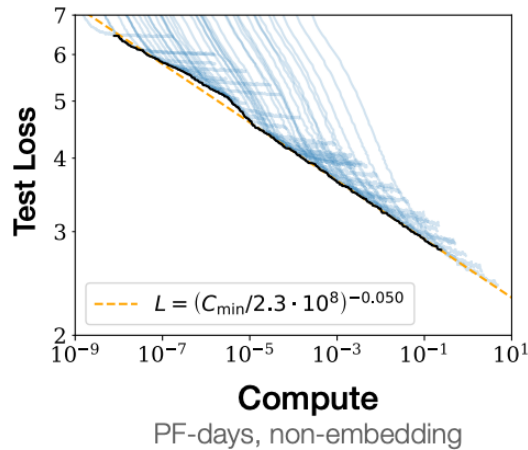
← *task description*

← *examples*

←

←

← *prompt*



A brutal simplicity:

- The more data, the better the model.
- The more parameters, the better the model.
- The more compute, the better the model.

Why does it work? How does complexity arise from the simplicity of guessing the next `____`?



