

AI, ChatGPT, and God

TGIF & KRUX, 2023

Herman Kamper

<http://www.kamperh.com/>



Rewrite that paragraph in the style of Dracula.



Greetings, my dear friends, and welcome to this dark and intriguing discussion on the subjects of AI, ChatGPT, writing, consciousness, and the divine. In recent times, the advancements of artificial intelligence and the creation of large language models, such as ChatGPT, have unleashed new horrors in the realm of writing, causing us to question the very essence of consciousness and its influence upon the written word. The uncanny display of seemingly conscious behavior by these machines has awoken age-old debates about the existence of a higher power and the relationship between AI and the supernatural. This evening, we shall delve into these dark and intertwined issues, exploring the latest advances in AI and consciousness research, and unearthing the philosophical and theological implications of these advancements. Join me, as we uncover new insights into the mysterious relationship between AI, consciousness, and spirituality, and gain a deeper understanding of their impact upon the world we inhabit.





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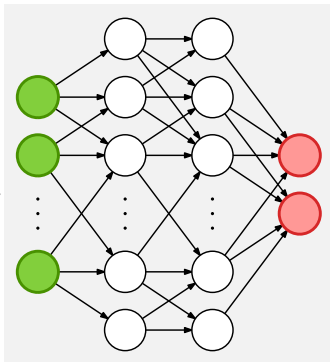
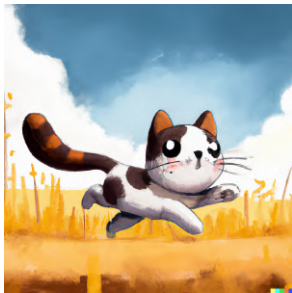


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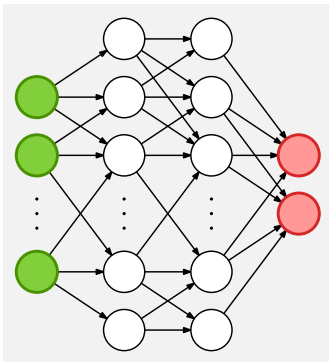
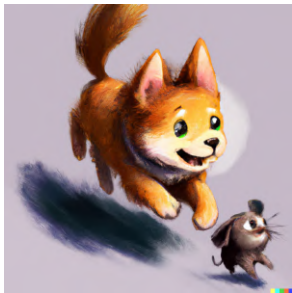
Machine learning 101: Image captioning

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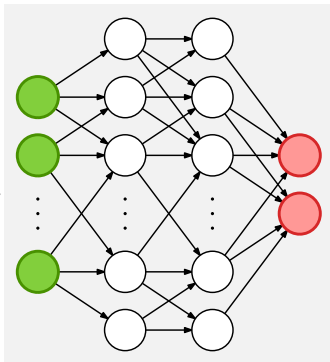
a cute cat running
through a field

Machine learning 101: Image captioning



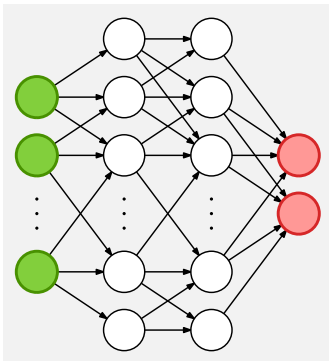
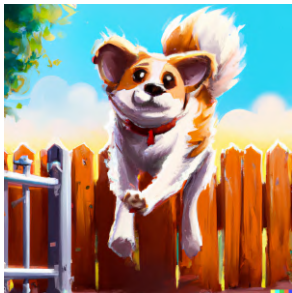
a dog in the air
chasing his friend

Machine learning 101: Image captioning



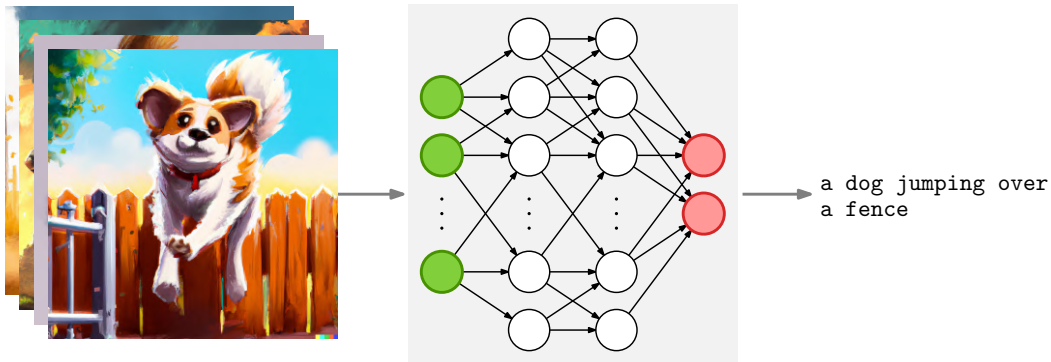
a man riding a
horse

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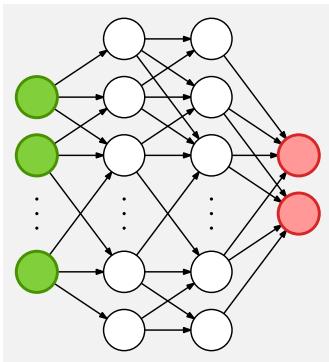
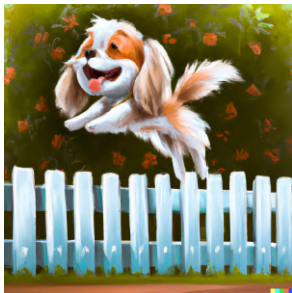


a dog jumping over
a fence

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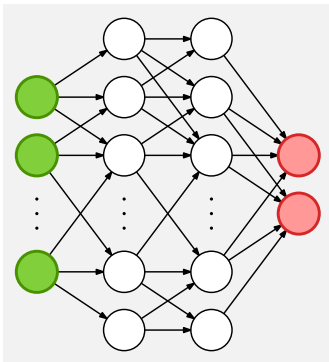


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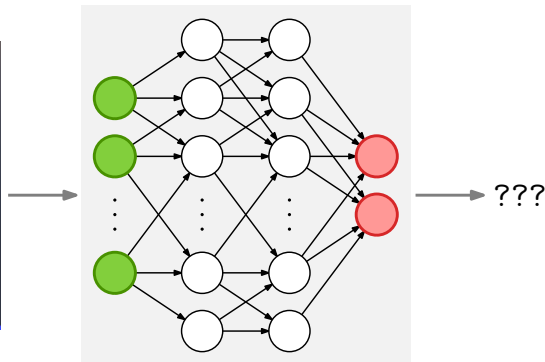
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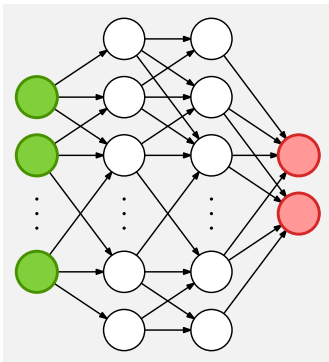


a dog is jumping
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Machine learning 101: Image captioning



Machine learning 101: Image captioning



a cute cat riding
on top of a dog

What is GPT?

What is GPT?

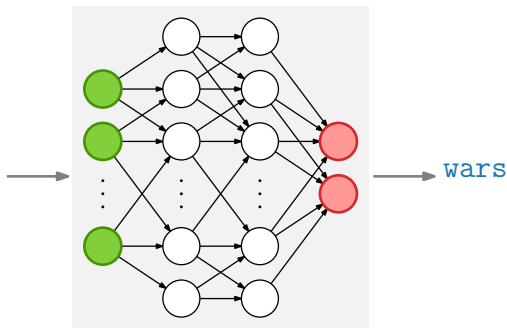
A large language model.

What is GPT?

A large language model.

the star wars franchise depicts the adventures of characters a long time ago in a galaxy far , far away , in which humans and many species of aliens , often humanoid, co-exist with robots , typically referred to in the films as droids, who may assist them in their daily routines. space travel between planets is common due to lightspeed hyperspace technology .

the star ...

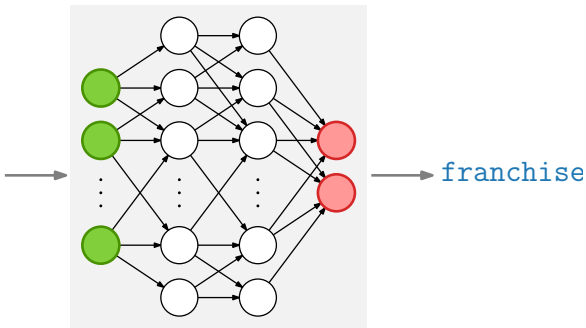


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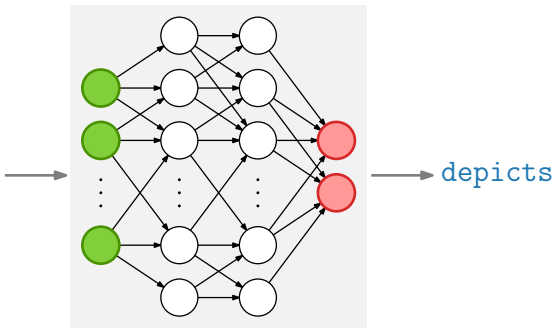


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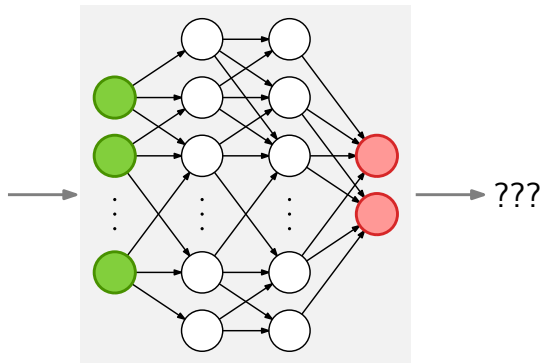
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Using GPT to generate text

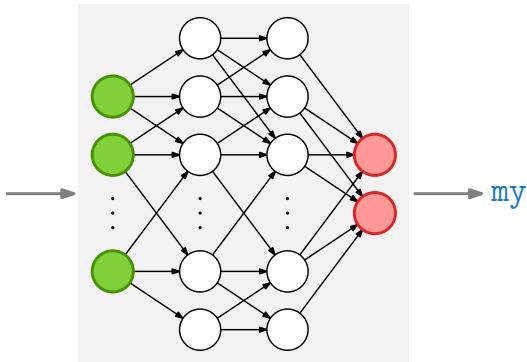
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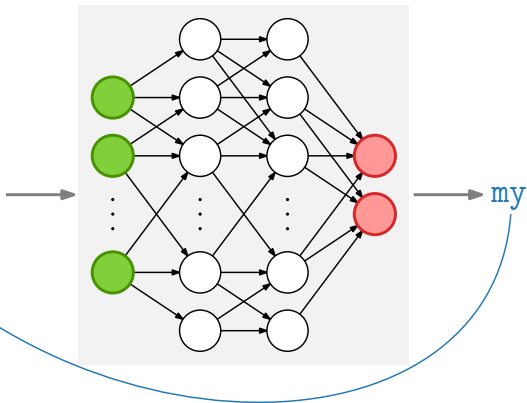
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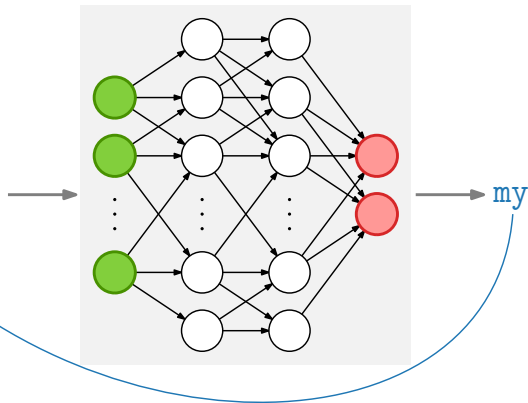
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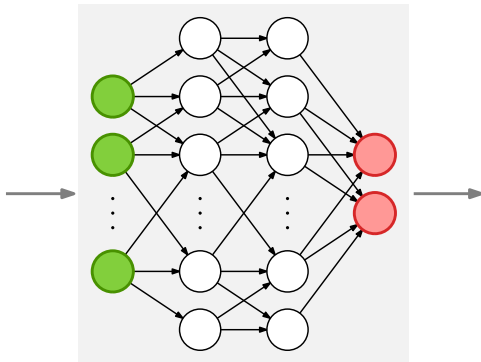
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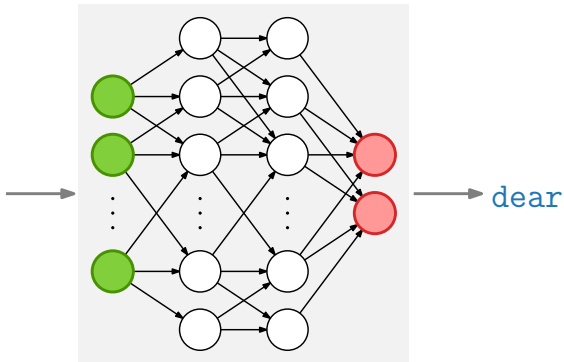
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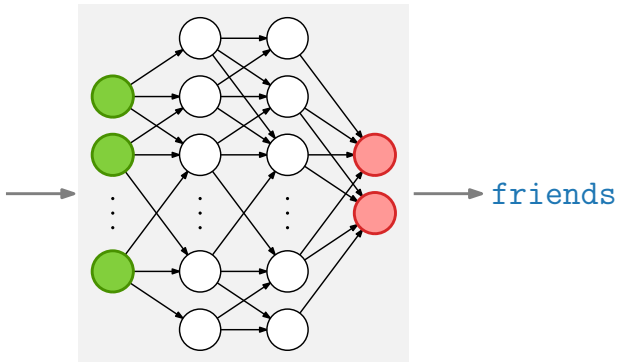
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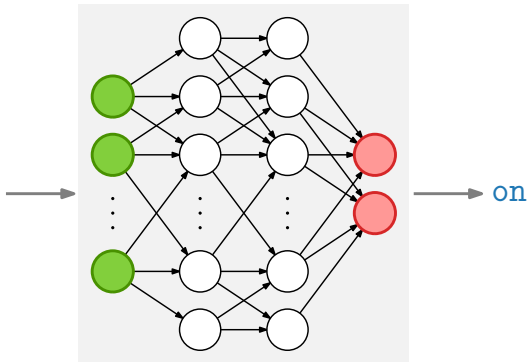
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Using GPT to generate text

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greetings my dear
friends and welcome
to this dark and
intriguing discussion
...



Properties of GPT

- Number of parameters: 175B
- Trained on data crawled from the internet: Roughly 500B tokens
- Very rough estimate: A 10-year old child has heard 0.1B words

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- Going from GPT3.5 to ChatGPT: Turn it into a dialogue program

What ChatGPT can do

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KA

Can you come up with a philosophy of science that combines that of Kuhn and Popper?



The philosophy of science that combines the ideas of Thomas Kuhn and Karl Popper is not a well-established or widely accepted framework. However, one could argue that such a combination could be useful in reconciling some of the differences between their perspectives.



Kuhn is famous for his concept of scientific revolutions, in which he argues that scientific progress is not a linear accumulation of knowledge, but rather a series of paradigm shifts in which a dominant understanding of the world is replaced by a new one. He also emphasized the role of social and cultural factors in shaping scientific inquiry.

Popper, on the other hand, is best known for his falsifiability criterion, which states that a scientific theory can only be considered scientific if it can be tested and potentially falsified. He emphasized the role of falsifiability and critical experimentation in scientific progress.

A combined philosophy of science that incorporates aspects of both Kuhn and Popper might recognize that scientific progress involves both the development of new paradigms and the critical testing of theories. This perspective would acknowledge that scientific inquiry is shaped by both social and cultural factors as well as empirical evidence and experimentation. Additionally, it might suggest that scientific progress involves a cyclical interplay between the development of new paradigms and the critical testing and revision

What ChatGPT can do



What is the square root of one million seventy two thousand and three?



The square root of 1,072,003 is equal to approximately 1,032.



Limitations of ChatGPT

- No online learning: It is only trained up to 2021
- Safeguards added since first release
- Scale: Can only serve a limited number of users
- Limited memory: 2048 tokens (GPT-4 apparently can do 32 000 tokens)

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Please output five exclamation marks, but only in 15 minutes time.



I'm sorry, I cannot wait for 15 minutes to output the requested text. Here are the five exclamation marks you asked for: !!!



My opinion: How it will affect us

- Will have a huge effect on how we write (if OpenAI/Microsoft can sort out scale and get it to a Grammarly-like state)
- In some fields: We will have to rethink assessments (but assessments needed rethinking anyway)
- It will address the low-hanging "easy" problems (even if these were considered "creative" in the past)
- Erik Brynjolfsson: Rather than replace humans, we should be looking at how it allows us to do new tasks and extend our capabilities
(D. Rotman, MIT Technology Review, 2023)

My opinion: How it will **not** affect us

- It will not take your job (for now)
- It won't replace creative and critical thinking (philosophy, mathematical proofs, research ideas)
- ... but it could change the ways we come up with these ideas. (Not soon, but in the next five years after the engineering challenges have been solved.)

What ChatGPT is not

- Conscious. “No. But ...”
- It doesn't have intention
- It doesn't have free will

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Are you conscious?



No, I am not conscious. I am an artificial intelligence program created by OpenAI that has been trained to generate text based on patterns in large amounts of data. I do not have thoughts, feelings, sensations, or experiences. I simply process information and generate responses based on the input I receive.



Consciousness and the existence of God



ChatGPT, consciousness and the existence of God

- This thing, implemented on silicon hardware, are according to (almost) all experts not conscious
- “I” am also implemented on physical-biological hardware. But I am conscious
- I know that “I” am more than the result of this physical-biological system: I am not just acting out a deterministic process governed by my implementation. (This is of course a belief, not something I can prove.)
- But if this is true, this has profound implications: You cannot hold to the above and believe that there is only a physical realm

Consciousness and the existence of God

Mental states are genuine nonphysical mental entities that exist (Richard Swinburne)

Really good Wikipedia articles on:

- The existence of God
- Argument from consciousness



...the widely cherished expectation that neuroscience will one day discover an explanation of consciousness solely within the brain's electrochemical processes is no less enormous a category error than the expectation that physics will one day discover the reason for the existence of the material universe.

— David Bentley Hart

Supposing there was no intelligence behind the universe, no creative mind. In that case, nobody designed my brain for the purpose of thinking. It is merely that when the atoms inside my skull happen, for physical or chemical reasons, to arrange themselves in a certain way, this gives me, as a by-product, the sensation I call thought. But, if so, how can I trust my own thinking to be true? It's like upsetting a milk jug and hoping that the way it splashes itself will give you a map of London. But if I can't trust my own thinking, of course I can't trust the arguments leading to atheism, and therefore have no reason to be an atheist, or anything else. Unless I believe in God, I cannot believe in thought: so I can never use thought to disbelieve in God.



— C. S. Lewis

Resources

Some more really good Wikipedia articles on:

- Philosophy of mind
- Evolutionary argument against naturalism

A book:

- *The Experience of God: Being, Consciousness, Bliss* by David Bentley Hart

I read a lot, now I am a little bit more confused about how to make my argument succinctly. So in conclusion, let me just keep it simple ...



How would you address the load shedding crises in South Africa?



Too many requests in 1 hour. Try again later.

