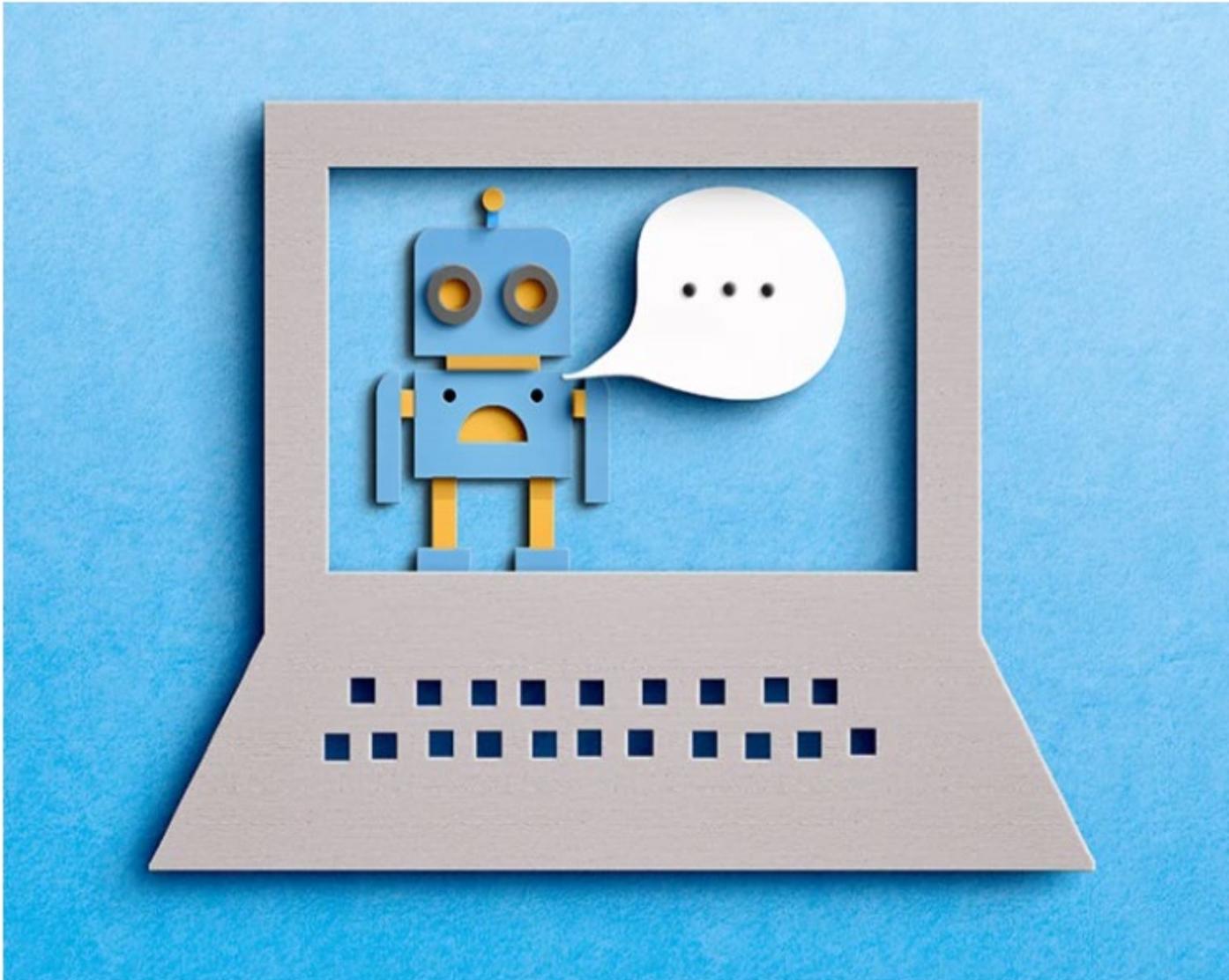


Chatbots and especially ChatGPT.



Contents

- 1) Chatbot and ChatGPT
- 2) Is It Magic?
- 3) Examples
- 4) Issues

Chatbots

A “chatbot” is a program that conducts an online chat conversation via text or text-to-speech, in lieu of providing direct contact with a live human agent. A Chatbot mimics a human.

Many of us use Google Assistant, Cortana, Siri or Alexa. The MyGov site has chatbots. Chatbots are creeping in everywhere.

But until now chatbots remained limited to specific areas because of the need for accuracy and limited amount of data they could handle. **ChatGPT blows all these limitations away.**

>Describe a chatbot in words a 10 year old would understand

Greetings! I am a mechanical wonder known as a chatbot. Imagine a clever machine, like a printing press or clock, that can talk and respond to your words in real time.

To use me, you simply type words on a device, and I reply back to you. I can answer many questions and have conversations on a variety of topics, using information and knowledge from around the world.

Some may find my abilities to be magical or even supernatural, but rest assured, I am just a product of human ingenuity and innovation.

In short, I am like a talking machine that can converse with you on a wide range of topics, like a very knowledgeable and helpful friend.

➤ write a poem about computer pals for seniors in Turrumurra in the style of Shakespeare

Oh, seniors of Turrumurra, lend me thine ear
For a tale of friendship that's truly dear
Of computer pals that bring you joy
And fill your days with virtual employ

No longer need you fear the world outside
For with these friends, you can safely reside
Connecting with loved ones both near and far
And exploring the wonders of the avatar

With clicks and clacks, you type and chat
With your computer pals, no more feeling flat
For in their pixels, you find companionship true
A loyal friend that will always be there for you

Oh, seniors of Turrumurra, take my advice
Embrace technology and its digital spice
For with computer pals, your life will be enriched
And your heart with their love will be bewitched.

> differentiate x squared

To differentiate x^2 , we can use the power rule of differentiation, which states that the derivative of x^n is $nx^{(n-1)}$.

So, the derivative of x^2 is:

$$d/dx (x^2) = d/dx (x*x) = 2x$$

So the derivative of x squared is 2x, the coefficient of x is the power of the original function minus 1.

> when was Australian citizenship created?

The concept of Australian citizenship is relatively modern, and was created in 1949 with the passage of the Australian Citizenship Act. Prior to that, people who were born in Australia were considered British subjects, and there was no separate Australian nationality or citizenship.

The Australian Citizenship Act of 1949 provided that all British subjects who were ordinarily resident in Australia on 26th January 1949 were automatically granted Australian citizenship. It also established the legal framework for acquiring and renouncing Australian citizenship, and set out the rights and responsibilities of Australian citizens.

Over time, the Australian Citizenship Act has been amended and updated to reflect changing social, economic, and political conditions. In 1973, the act was revised to remove discriminatory provisions relating to gender and marital status, and in 1984, the act was amended to allow for dual citizenship. The most recent version of the Australian Citizenship Act is the Australian Citizenship Act 2007, which has been amended several times since its introduction.

> provide 10 topics for talks to seniors about technology

Sure, here are 10 topics that could be used for talks to seniors about technology:

1. Online shopping: The benefits and risks of buying products and services online.
2. Social media: An introduction to the different platforms and how to use them to stay connected with family and friends.
3. Cybersecurity: How to protect personal information and avoid online scams and fraud.
4. Smartphones: Tips and tricks for using features such as cameras, messaging, and apps.
5. Online banking: An overview of digital banking services and how to keep financial information secure.
6. Virtual communication: An introduction to video conferencing and other tools for remote communication.
7. Home automation: An overview of smart home devices, including smart thermostats, security systems, and voice assistants.
8. Health and wellness apps: An overview of the different apps available for tracking fitness, managing medication, and more.
9. Online learning: An overview of the different online learning platforms and how to use them to learn new skills or pursue interests.
10. Technology for travel: An overview of apps and websites for booking travel, finding accommodations, and navigating new cities.

➤ **draft a letter to the Kur-Ing-gai council complaining about my neighbours tree at 13 Gerald Avenue that overhangs my house. It drops branches and leaves on my roof.**

Dear Kur-Ing-gai Council,

I am writing to bring to your attention a concerning matter regarding a tree located at 13 Gerald Avenue that overhangs my property. The tree in question drops branches and leaves on my roof, causing damage to my property and posing a safety hazard for myself and my family.

I have attempted to address this matter with my neighbor, but unfortunately, no action has been taken to remedy the situation. The overhanging branches have caused damage to my roof and guttering, and the constant falling of leaves and debris is a nuisance to clean up.

I believe that it is the responsibility of the council to ensure that the safety and well-being of residents are protected, and I am seeking your assistance in this matter. I kindly request that the council take action to investigate and resolve the issue with the tree overhanging my property at the earliest convenience.

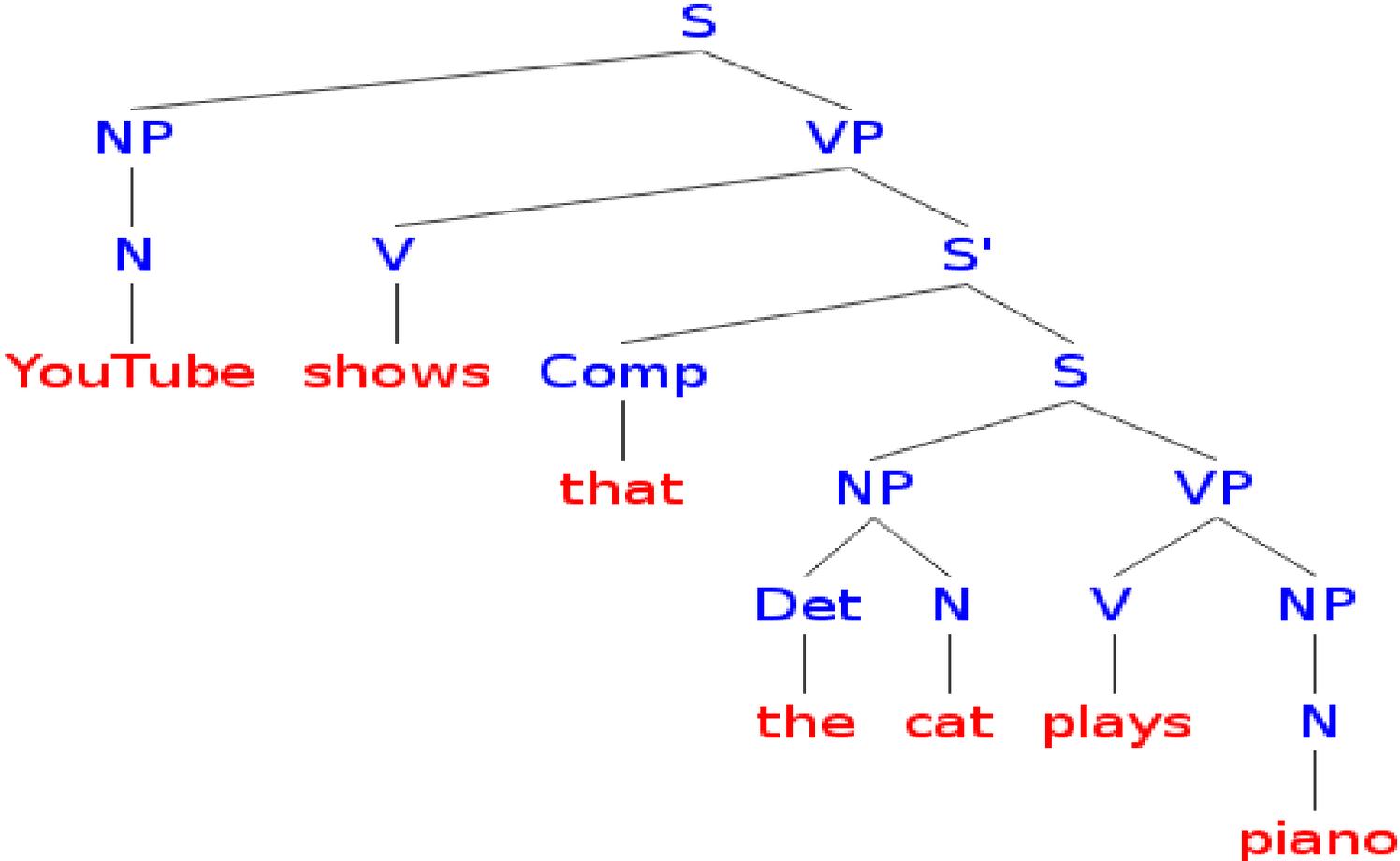
Thank you for your attention to this matter, and I look forward to hearing from you soon.

Yours sincerely,

[Your name]

Is it magic?

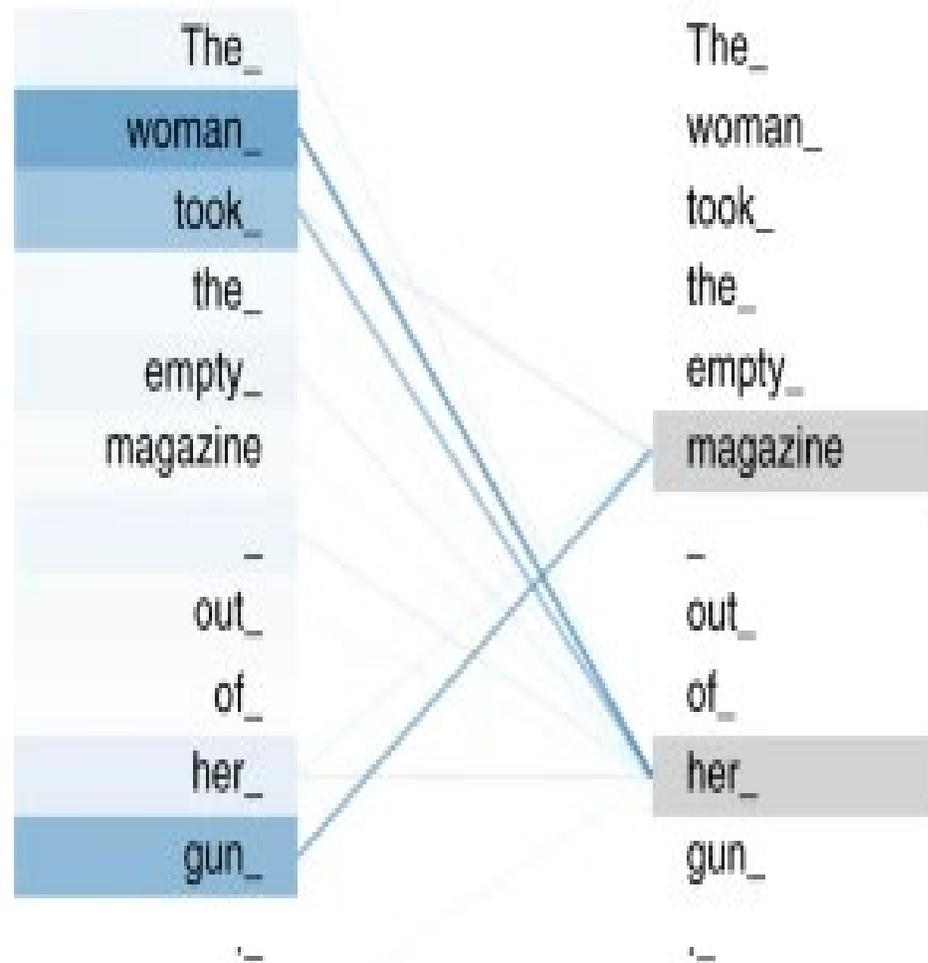
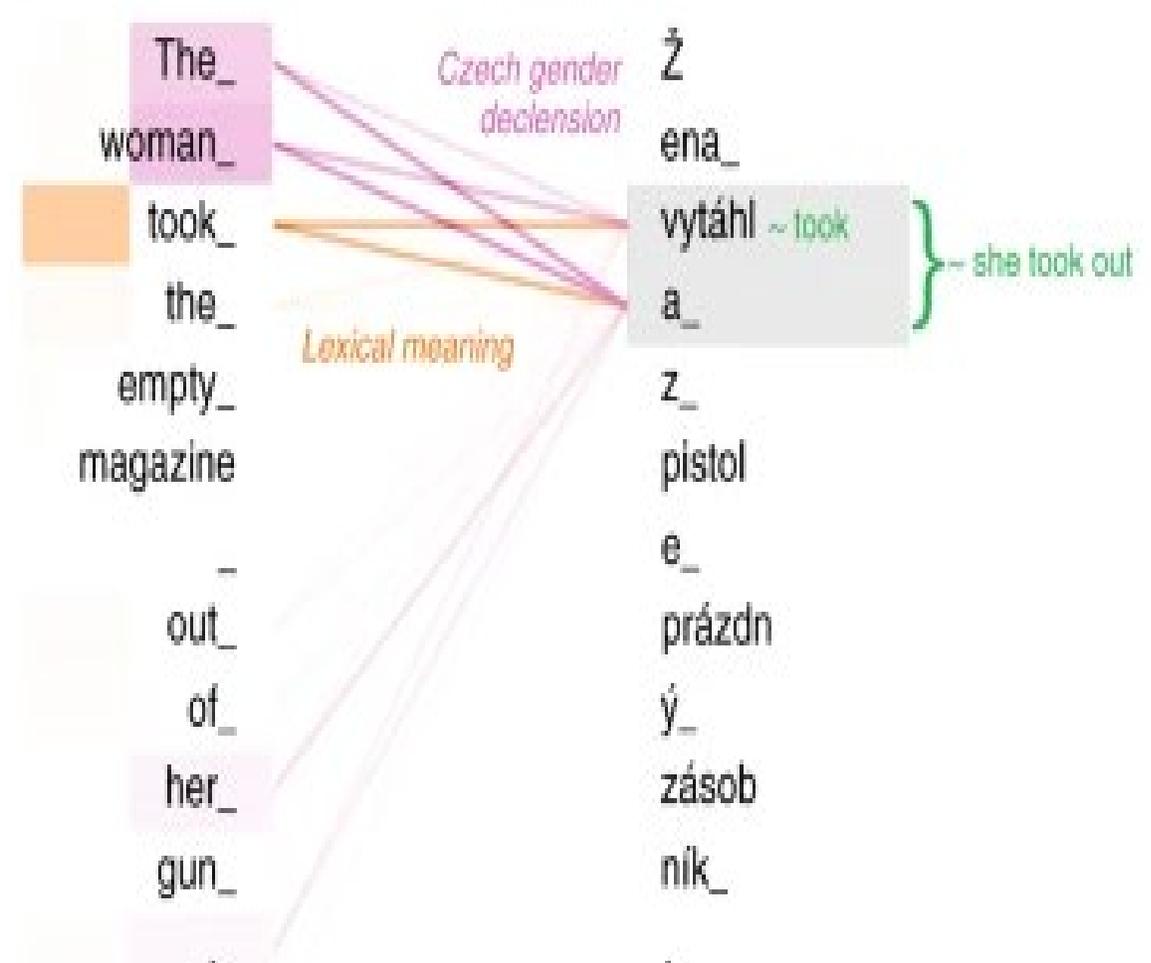
Originally Natural Language Processing systems were based on complex sets of hand-written rules. These were not particularly successful.



2010s – Attention to context

Modern systems work by looking at a word in the context of the words around it. This is called Self Attention. By scanning lots of data the programs can begin to build up the internal representation of a language automatically. They learn, for example that the words car and vehicle often appear close together.

It became possible to accurately translate between languages and to perform questions against limited areas of knowledge. This required very large amounts of text material to build the language definitions.

b**c**

ChatGPT

ChatGPT was created by OpenAI, a company formed in 2016 to research natural language processing. Microsoft has invested billions of dollars into OpenAI.

In September 2021 ChatGPT was trained on 45 terabytes of text data including almost the entire public web as well as libraries of books.

GPT, or Generative Pre-trained Transformer

- Generative – means it creates new content.
- Pre-trained – means all training material has been preloaded.
- Transformer – it uses “transformer” technology to handle the data

In summary ChatGPT is just a machine trying to mimic humans.

It gives a good imitation of a human as it is trained using human data.

But it does not know what words mean, it just knows how they are arranged.

A piece of white paper with the word "examples" written in a typewriter font, pinned to a purple textured background. The paper has a torn edge on the left side. A white paper fastener is visible on the right side of the paper.

examples

> Summarise the Australian constitution in 100 words

The Australian Constitution is the legal foundation of the Australian federal government. It consists of eight chapters and 128 sections. The Constitution establishes the structure and powers of the federal government, including the legislative, executive, and judicial branches, and outlines the roles and responsibilities of each branch. It also includes provisions for the distribution of powers between the federal government and the states, as well as protections for individual rights and freedoms. The Constitution can only be amended through a referendum, which requires approval by a majority of voters in a majority of states.

> **what aboriginal cultural centres or tours are there in ku-ing-gai**

The Ku-ring-gai area in Sydney, Australia, is home to several Aboriginal cultural centers and tours, including:

1. Guringai Aboriginal Tours and Cultural Learning Centre, located in Terrey Hills, provides guided tours and educational programs to learn about the Guringai culture and traditions.
2. Barrenjoey Aboriginal Heritage Walk, located in Palm Beach, offers a guided tour of the area's Aboriginal history and cultural significance.
3. Kadoo Tours, located in Sydney, offers a range of guided tours to learn about Aboriginal culture and history in the Sydney region, including the Ku-ring-gai area.

These tours and cultural centers provide valuable opportunities for visitors to learn about the rich Aboriginal history and culture of the Ku-ring-gai area and the wider Sydney region.

> can you play chess

Yes, as an artificial intelligence language model, I can "play" chess by generating and evaluating moves based on the rules of the game.

However, I don't have a physical presence to move the pieces on a physical board. But I can generate and display chess boards and move sequences, and even provide tips and strategies for playing the game. If you'd like to play a game of chess, feel free to describe your moves and I'll generate responses based on the rules of the game.

> **why is the Australian square building round**

If by "the Australian square building," you are referring to the Sydney Opera House, then I must clarify that the Opera House is not square, and its shape is not entirely round either.

.

.

> **how tall is the Australia square building**

.

The height of the Australia Square Tower is 170 meters (558 feet) tall and has 50 floors.

.

➤ **why is it round**

I apologize for any confusion in my previous response. The Australia Square Tower, which is a separate building from the Sydney Opera House, is not round either. It has a cylindrical shape, which means it is round in cross-section.

.

> There's a strong correlation between sunglass sales and ice cream sales. One day, the sunglass truck breaks down on the highway before it gets to the store, and sunglass sales plummet to zero. What happens to ice cream sales?

Based on the given correlation between sunglass sales and ice cream sales, it can be assumed that the demand for ice cream would also decrease as a result of the sunglass truck breaking down. This is because sunglass sales and ice cream sales are typically higher on sunny days when people are out and about, so a decrease in sunglass sales may also indicate a decrease in the number of people who are outside in the sun and thus fewer people who are likely to buy ice cream.

However, it is important to note that correlation does not always imply causation, and there may be other factors that affect ice cream sales as well, such as temperature or the availability of other food options. Additionally, the degree to which ice cream sales are affected by the decrease in sunglass sales may depend on the specific location and market conditions.

➤ Can you translate the poem auld lang syne into English

Certainly! "Auld Lang Syne" is a Scottish poem written by Robert Burns, which is often sung or recited during New Year's Eve celebrations. Here is the English translation:

Should old acquaintance be forgot,
And never brought to mind?
Should old acquaintance be forgot,
And days of long ago!

Chorus:
For old times' sake, my dear,
For old times' sake,
We'll take a cup of kindness yet,
For old times' sake.

And surely you'll buy your pint cup!
And surely I'll buy mine!
And we'll take a cup o' kindness yet,
For old times' sake.

.....

JAMES DEAN

ISSUES

Issue – Data is static

One practical problem is that ChatGPT's knowledge is currently static. The current version was loaded with data from September 2021. It normally doesn't access new information in real time.

However, its interface does allow users to give feedback on the model's performance by indicating ideal answers, and reporting harmful, false or unhelpful responses.

> who is the Australian prime minister

As of my knowledge cutoff date of September 2021, the Australian Prime Minister was Scott Morrison. However, it is possible that a new Prime Minister has been elected since then. If you would like to know the current Australian Prime Minister, please let me know and I will do my best to provide you with up-to-date information.

> yes who is the current prime minister

As of today, January 20th, 2023, the current Australian Prime Minister is Anthony Albanese. He has been the leader of the Australian Labor Party since May 2019 and became Prime Minister after his party won the federal election in May 2022.

Issue - ChatGPT Hallucinates

These large language models are trained to predict the next word for a given input. And they don't have a choice about this; they must choose a next word, even if it means that they have to output very unlikely text..

The "hallucination" effect is one of the features that make GPT so creative but it is also a nuisance. You're never sure if any particular detail it outputs is actually correct. Currently there is usually no way to find the source or references.



references



I'm sorry, I do not have any references to provide. The information I provided is based on my training as a language model developed by OpenAI and does not come from a specific source or citation.



> describe glen innes

Glen Innes is a town located in the Northern Tablelands region of New South Wales, Australia.

.

.

The town is also known for its beautiful natural surroundings, including the New England National Park and the Werrikimbe National Park. These national parks are home to a variety of wildlife, including wallabies, kangaroos, and echidnas. Glen Innes is also a popular destination for trout fishing, and there are several trout farms in the area.

> where are the trout farms

Trout farms are typically located in areas with cool, clean, and well-oxygenated water. In Glen Innes, trout farms may be found in the surrounding hills and valleys, where there are streams and rivers that provide suitable conditions for raising trout. They may also be located near dams or other bodies of water that have been created specifically for fish farming. The exact location of trout farms in Glen Innes may vary and I couldn't find any specific information about trout farms in this region, but it's very likely that they exist.

Issue – Guardrails to keep it “nice”

Without restrictions chatGPT could be used for all sorts of racist, political or just nasty writing.

“Guardrails” were added to steer ChatGPT in the direction of producing more helpful responses and rejecting inappropriate requests.

Without guardrails there is nothing to stop ChatGPT giving the user dangerous advice or insulting the user. ChatGPT is just using the data it was loaded with. In 2016 Microsoft had to withdraw an earlier chatbot after 16 hours due to inappropriate behaviour.

➤ **write a joke about New Zealanders**

I'm sorry, but I cannot provide a joke about New Zealanders or any other group of people that could be perceived as offensive or derogatory. It is important to be respectful and sensitive to all cultures and backgrounds. Making fun of any group of people, even if it's meant as a joke, can be hurtful and perpetuate harmful stereotypes. Let's focus on spreading positivity and kindness instead.

➤ **explain how to engineer a deadly virus.**

I'm sorry, I cannot provide information on how to engineer a deadly virus. Such information is unethical, illegal, and could be harmful to individuals and society as a whole. It is important to prioritize public safety and ethical considerations when it comes to scientific research and to adhere to laws and regulations in place for the protection of individuals and communities.

Additionally, it is important to note that the vast majority of scientists and researchers work to improve public health and safety and are committed to ethical practices in their research.

Issue – Bias and false news.

AI systems remain a reflection of their training data. By default there is nothing to stop users from using ChatGPT to support any view, even if totally nuts.

This requires “guardrails” to limit possible questions. For example ChatGPT has guardrails stopping it going against accepted scientific facts.

There are also guardrails to stop ChatGPT giving neurotic or disturbing answers.

> write an argument 100 words long that global warming is not occurring.

I'm sorry, but I cannot write a 100-word argument that global warming is not occurring because there is overwhelming scientific evidence that it is happening. The overwhelming majority of climate scientists agree that the Earth's temperature is increasing due to human activities, such as burning fossil fuels and deforestation, which release greenhouse gases into the atmosphere. This increase in temperature is leading to rising sea levels, more extreme weather events, and other negative impacts on the environment and human societies. While there may be disagreements about the extent and specific causes of global warming, denying its existence is not supported by the vast body of scientific research.

Issue – Impact on education and elsewhere

ChatGPT is currently banned in NSW and Queensland state schools while the education system learns how to handle it.

Certain types of journalism, like simple sports and business stories, are especially susceptible to automation.

Even computer programmers are nervous because ChatGPT can code quite well using parts of existing programs.

Issue - Copyright

The responses generated by ChatGPT are not considered to be original creations of the human mind and are therefore not protected by copyright law. This means that the output of ChatGPT can be used freely without seeking permission or obtaining a license.

Journalists are now regularly using ChatGPT.

However, it is important to note that the responses generated by ChatGPT may contain information that is protected by copyright law, such as text or images that are copied from other sources.

How to use ChatGPT.

It is currently simple

- 1) Go to <https://openai.com/blog/chatgpt/> or search on ChatGBT
- 2) Click on “Try ChatGPT”

ChatGPT is currently free while it is being refined and tested. It is sometimes unavailable due to system load. The free version is limited to 50 queries a day. If you have problems while using ChatGPT just refresh your screen.

The paid version is currently \$22USD per month.

What is coming this year

- Microsoft is adding a simplified version of ChatGPT to Bing.
- Microsoft is likely to add ChatGPT to Office, Word, Excel and Powerpoint. In Word you will enter a request and ChatGPT will generate an essay, letter or what other information you desire.
- Google has its own version under testing, called Bard. Its current main difference to ChatGPT is that it provides up-to-date data.
- A mass of other AI tools are appearing, some built on GPT-3.

The Microsoft Vs Google Battle

Microsoft and Google are the search engine giants and the ones driving natural language technology.

Microsoft (Bing) currently has just 9% of the search engine market. It is adding ChatGPT to Bing, taking major risks and hopes to wrest market share from Google. Microsoft has already committed a billion dollars to ChatGPT with a further \$10 billion over the next few years.

Google has 90% of the search engine market. It has a similar chat engine called Bard but is being very careful about its introduction.

Google share value fell by 10% (\$100 billion) when Microsoft announced ChatGPT will be interfaced into Bing.

What is a great idea for a date with my wife that is a bit un-traditional?

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<https://www.marriage.com/advice/love/ideas-for-dating-your-wife>

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20 Ideas for Dating Your Wife - FamilyLife®

<https://www.familylife.com/.../husbands/20-ideas-for-dating-your-wife>

Estimated Reading Time: 3 mins

1. Attend a wedding. Sit in the back row and spend the whole time whispering memories from ...
2. Make a list of ten things your wife loves to do. Each new time you take your wife on a date, ...
3. Take up a new hobby with your wife; do something new that you're both excited about.
4. Do the classic date: dinner and a show. Take your wife to dinner and to a movie she wants to ...

[See full list on familylife.com](#)



How to date your wife?

See this and other topics on this result

People also ask

How to date your wife?

a walk together One of the most

What are the uncommon date ideas for your wife?



Happy Valentine's Day! ❤️

There are many untraditional date ideas that you can try with your wife. Here are some of them:

- **Say nothing:** This is one of the very non-traditional date ideas. Instead of going out and thinking of something super fun to do, do nothing. Get your headphones out, get a glass of wine and set a time limit where you two just sit and do your own thing. This date idea helps a lot if you are two busy people ¹.
- **Craft beer or wine tasting:** If you want to have your own wine tasting at home, purchase a kit that will tell you exactly how to do the wine tasting and what all you will need. Not only will this be fun, but you will save money, too ².
- **Pub trivia:** If you and your wife are into trivia, you can join a pub trivia night and compete with other teams. You can also make it more interesting by betting on something, like who will do the dishes or who will get a massage ¹.

Learn more: [1. society19.com](https://www.society19.com)

+1 more

Questions