

# Chat GPT Generative Pre-Trained

# Generative AI

Algorithms that learn from a dataset of music, images, text

Scrape the web, books, music

Not extremely current, if recent datasets are not in the model

Chat GPT can follow a sustained conversation (short term memory)

Alexa treats each statement as a new query

Chat GPT is quick, authoritative and very good with grammar

Some responses are eloquent but nonsensical, very different than humans

Some answers would be excellent to turn in for a homework assignment. Is that plagiarism??

ChatGPT can follow a sustained conversation (short term memory)

Additional training to answer questions through rewarding better answers

# Generative AI continued

The CEO of Box having fun, asked for a business proposal for a cloud based storage company to get into the business of making cardboard boxes.

Big Players:

- Deepmind (Google)

- Open AI (Elon Musk initial co-founder, no longer involved)

Should a very few big companies control these tools?? (OpenAI is not open)

GPT3 is current model, GPT4 due out soon and be even more impressive

# What Could go Wrong?

Misinformation: Answers sound authoritative and truthful

Meta's Galactica responded with biases and inaccuracies

Can the misinformation be ingested again and become an echo chamber?

Is this different than a quack on twitter or youtube spewing misinformation?

Growing amount online that is unmoored from truth

Racist, sexist statements (usually prodded on purpose). Companies scrambling to remove this (delete words) Challenging to make the models behave and be accurate

# What Could go Wrong? Continued

Humans are built to respond to language, as the chatbots get better it will be harder to tell they are in fact bots.

Also, humans respond to flattery. A company called Lensa will take a selfie and make a magical painterly version of you. The versions of people are enhanced, muscular thinner men, puffy lips and bigger breasts on women. China has a version of Zoom where you can change your looks in real time.

What is real? Is the above misinformation? Will we all have a “Second Life”?