Monday 08/01 - ML is SUS but kind of cool too

Important link with more important links:
Class Canvas page

Announcements:

In the News:

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Agenda:

- Text Prompting Exploration
- Turing Test
- GPT-3 What is it?
- A new type of human-machine interaction?

Resources

- I didn't know how to write about my sister's death—so I had AI do it for me. - Vauhini Vara
- This american life GPT-3 Grief

Songs of the Day

- You're the one - KAYTRANADA, Syd
- Through the Wire - Kanye West
- My Funny Valentine - Chet Baker
- Torn - Natalie Imbruglia

FINAL DELIVERABLE INFO

- **DUE AT 5:00pm ON AUGUST 5TH, NO LATE EXCEPTIONS**
- Your final deliverable should include:
  - A clear explanation of what your technology is
  - What are its potential benefits and downsides
  - An **argument** as to why your technology is ethical to develop **using an ethical framework as justification**. You should include a clear explanation of **what your ethical framework is** and **apply it** in a logical manner **to analyze your technology**
  - A description of your role at the company, including your responsibilities, capabilities, and limitations (**be specific**)
  - A clear description of **precise measures** you could take to mitigate possible impacts of your technology
  - A short explanation of what would enable **or** prevent you from executing your mitigation strategy
  - A short speculation (1 paragraph) of what could go wrong if you were unable to implement your mitigation strategy
- It should be at a minimum, 1500 words. It should not exceed 2000 words, please :)
- It should include a bibliography and correctly formatted citations

Do not edit above this line.

Questions or Things to Share?

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INDIVIDUAL REFLECTION

Take out your phone and compose a new text message that starts with, “I am”... then click the next 7 words that pop up. What do you end up with? Write down your name and responses here

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SOME THINGS ARE BETTER WITH MACHINES

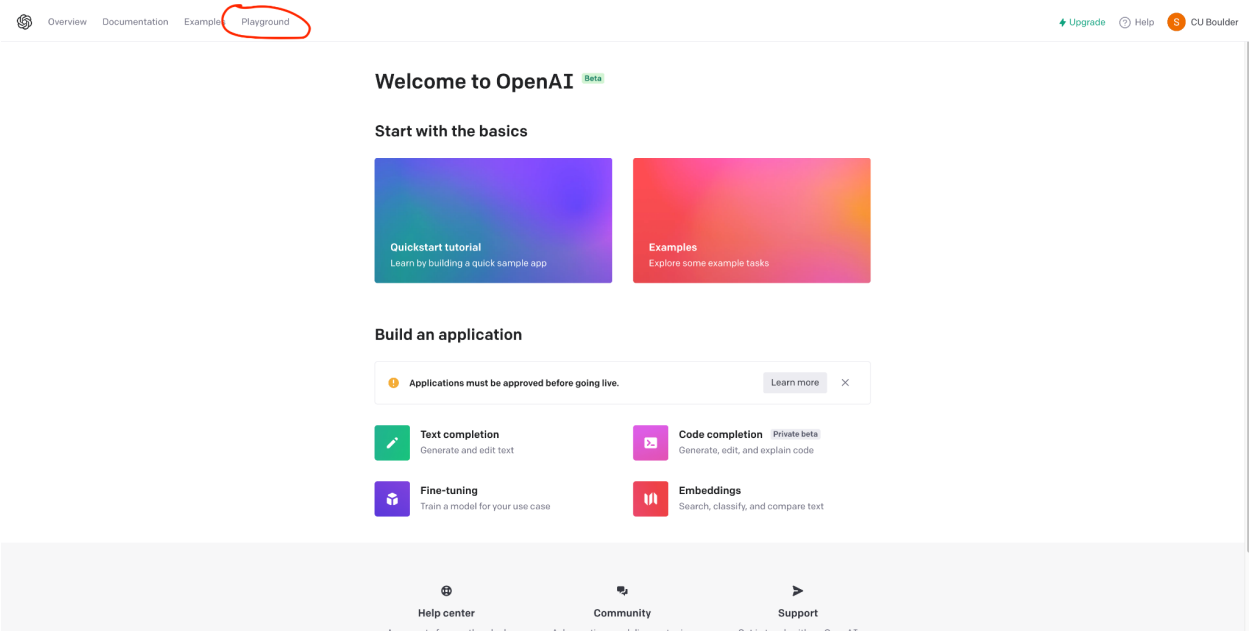
Machine learning engines are powerful and in a lot of cases useful. We’ve discussed a couple of examples (chat bots, text summarization tools, translation tools).

With your group, come up with a text-prediction tool that would be helpful to people in their everyday lives. If you can’t come up with a novel one, identify an existing tool that you think people use often. Write down:

(1) What this tool is
(2) What it helps people to do that they couldn’t previously do; What need does this tool address?
(3) What data you think this tool is trained on
(4) A possible adverse/undesirable outcome of your tool
(5) Two to three mitigation strategies for avoiding adverse outcomes with your tool

MAKE A GPT-3 ACCOUNT

Go to [this link](#) and make a free Open-AI account. You can sign in with your CU Boulder google account. You will get $18 of credit for FREE that you can use within the first 3 months. After you log in, go to the “playground”



I SPY WITH MY LITTLE EYES…AN AI IMPOSTER!!!

Partner up with someone and fill out the table below

Partner A:	Partner B:
Step 1: Come up with a challenge for our GPT-3 Mini Turing Test (i.e.”Tell me the meaning of life on Mars”)	
Step 2: Fill in 2 answers to your partner’s challenge (1 you write yourself, 1 you create using the GPT-3 playground at http://beta.openai.com/playground). And make sure to mix up the order!	

•	•
Step 3: Vote for which of your partner's answers you think was generated with GPT-3 by highlighting in yellow which one you think is generated by GPT-3	

Prompt Programming: Is it a new type of human-machine interaction?

Based on what you now know about GPT-3, answer the following questions:

(1) Is GPT-3 programming? Writing? Or something else?
(2) Is GPT-3 being creative? How do you define being creative?
(3) Who should have authorship rights over something written with the use of GPT-3?

Write your name and answers below

ETHICAL CONSIDERATIONS

GPT-3 and other powerful machine learning tools are readily accessible; what are some **benefits** and **drawbacks**? Consider the following in your responses: what data is informing these engines? **Who** are they helping? **What** unmet need are they addressing? What are the **costs** of these engines?

Discuss with you group

Group 1

Group 2

Group 3

Group 4

Group 5

FINAL REFLECTION

If you used GPT-3 to write an essay for a college course, would it be considered academic dishonesty? Why or why not? If you don't think it would be, how would you explain it to your professor?

READING/WATCHING FOR TONIGHT

Tuesday 08/02 - Fix it!

See Page 19 For Particulars of The World's Dot Contest Today

LATE EDITION

The Vancouver World

THE PAPER THAT PRINTS THE FACTS

THE BEST IN THE WEST
SATURDAY'S GUARANTEED CIRCULATION 31,203

PAGES 1 TO 30 — VANCOUVER, B. C., MONDAY, APRIL 15, 1912. — THIRTY PAGES

TITANIC SINKING; NO LIVES LOST

NEW YORK, April 15.—The White Star liner Titanic is sinking according to latest reports.

PASSENGERS TRANSFERRED TO CUNARD LINER CARPATHIA—ALL ARE NOW SAFE

Wireless Despatches Show That Mammoth Liner After Striking Iceberg Sunk Down by Bows, But Water-Tight Compartments Kept Her From Foundering.

REPORT AT HALIFAX THAT LINER SINKS

HALIFAX, April 15.—The Canadian government marine agency here received a wireless despatch at 4:05 p.m. that the

WHITE STAR LINER TITANIC WHICH WAS IN COLLISION WITH HUGE ICEBERG

SMASH DOORS OF CONVENTION WITH AXES

Democratic Gathering at Chicago Today Not Festival of Peace That Was Expected.

EIGHT HUNDRED POLICE WERE THERE

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Resources

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Songs of the Day

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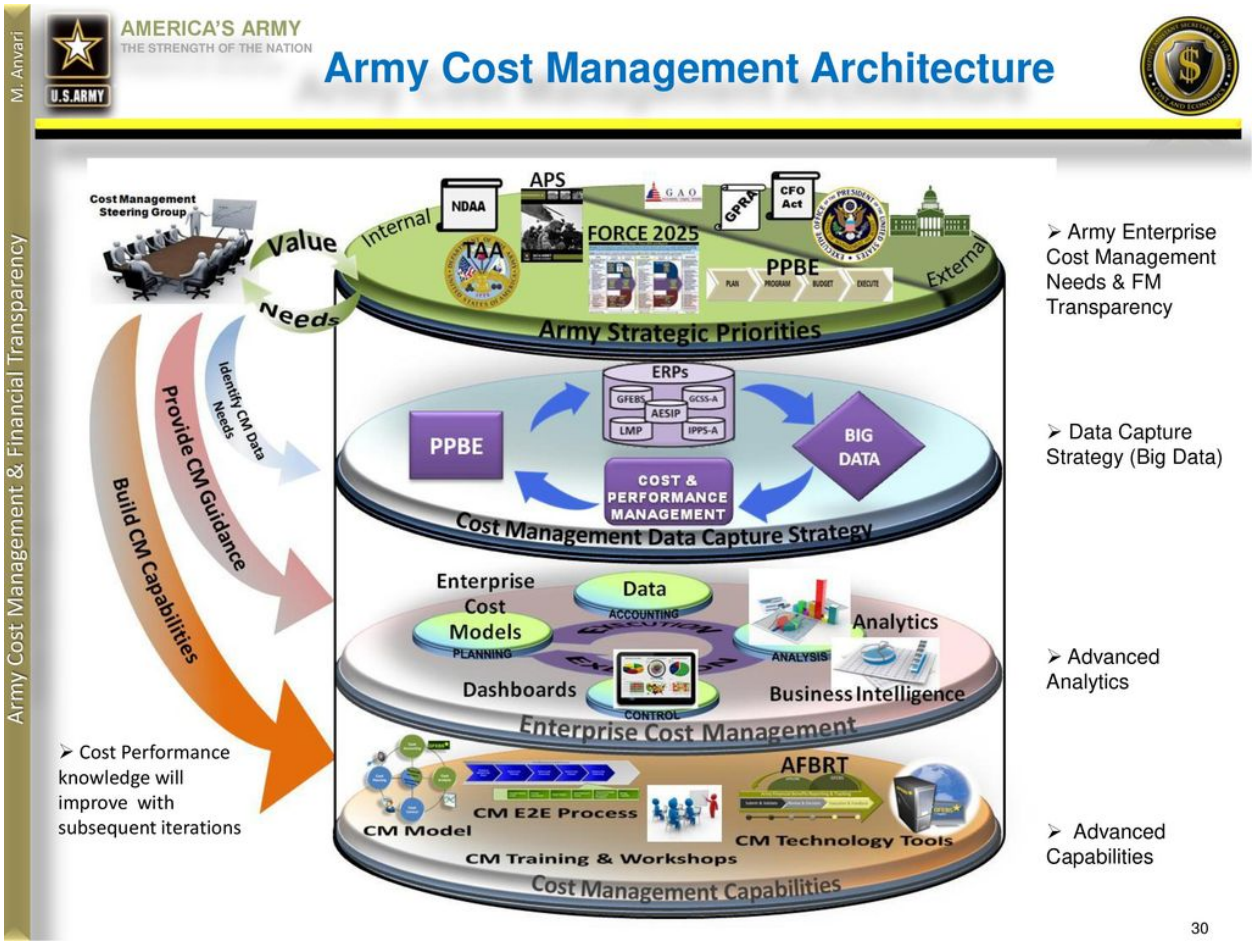
Some Funny Pictures:



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INDIVIDUAL REFLECTION

Pick any headline from 2021 that you think represents negative consequences or an ethical problem. Write a new headline that would represent **something having gone *better*** (e.g., positive change in the world rather than negative consequences).

IMAGINE THE FUTURE…

In your groups, come up with three news headlines for three different years (2023, 2027, 2042). Try to imagine what news stories concerning technology might look like then. These headlines should be dystopian - just let your imagination run wild…what will be happening in the future??

IT COULD BE BETTER!

[insert headlines here]

(1) Pick one headline from 2023, 2027, and 2042 that represent ethical problems or things going wrong. For each, **what do you think might happen between now and then that might prevent that problem**?

(2) For each year, input the headline that you picked into the GPT-3 Playground box and generate a news story. For each story, how realistic/possible do you think it is?

(3) Write a *positive* headline (do not have to be related to the ones you picked for the previous part!) for 2023, 2027, and 2042 that represent what you see as ideals for the direction of tech ethics and policy.

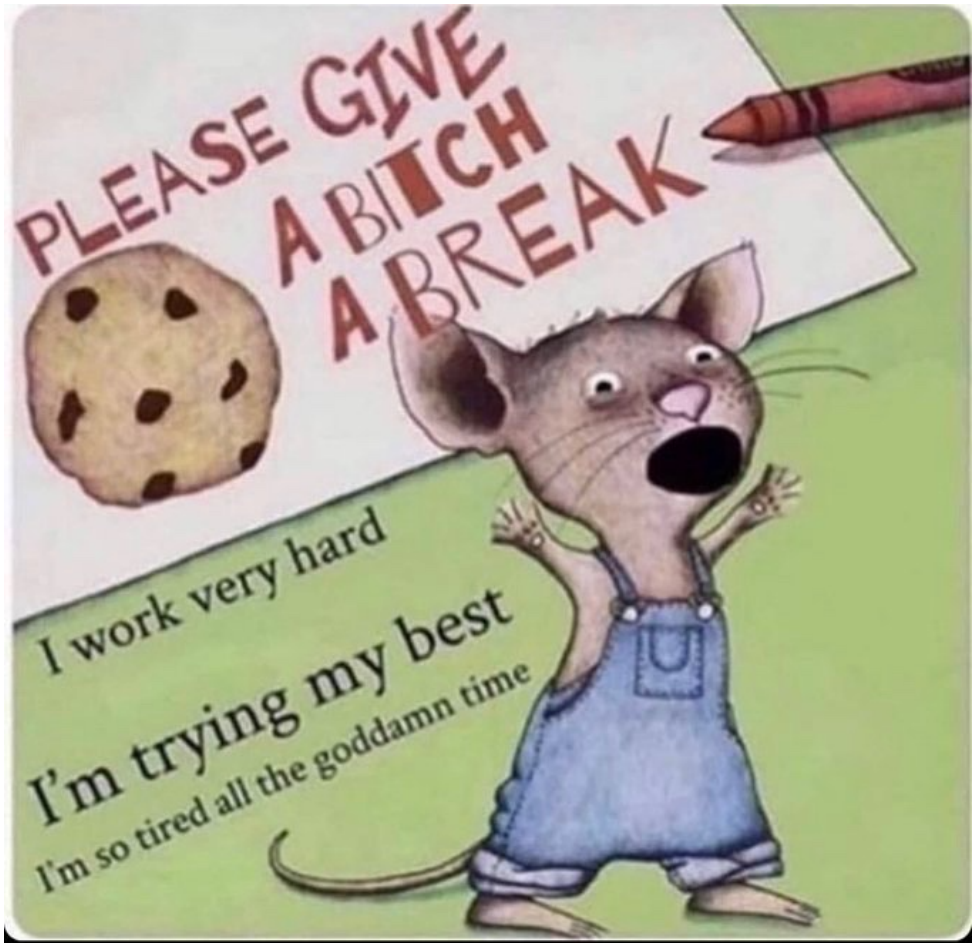
(4) For each year, input the **positive** headline that you picked into the GPT-3 Playground box and generate a news story. For each story, how realistic/possible do you think it is? What would need to happen to make this story true?

Discuss with your groups!

OPEN CO-WORKING HOURS

If you like, you can stay in class and work on your slides and/or final deliverables for this week. I'll be here to give feedback :)

Wednesday 08/03 - Presentations!



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Agenda:

- Presentations!
- Class Feedback

Additional Resources

Songs of the day

Project Presentations!

Please leave, notes, questions, and feedback below.
Presentations are 5-7 minutes.

Reflections on the class

(1) Please share anything that you think will be helpful for me in teaching this class in the future! Your favorite things, your least favorite things, etc.
(2) Please share something you learned that you think will help you as you move forward.
You do not have to sign your name to any of this unless you want to!