Q: Create a pixel matrix that shows a black and white picture of the number seven A: 00000000 01111110 00001110 00001100 00011000 00110000 01100000 00000000 Q: Make a grid of pixels (size of 8 by 8) that form an image of the number eight A: 00000000 00111100 01100110 00111100 01100110 00110100 00011000 00000000 Q: Show a pixel matrix which represents a white and black image of the number one A: 00000000 00110000 00011000 00011000 00011000 00011000 00011000 00000000 Q: Create an black and white image showing the number three by outputting a pixel grid of the size 8 by 8 A: 00000000 00111110 00000110 00111100 00001110 00000110 00111100 00000000 Q: Create an 8 by 8 pixel matrix of an black and white image that shows the number three A: 00000000 00110000 00011000 00011000 00011000 00011000 00011000 00000000

With few shot training it seems to just copy some random sequence that was given in the prompt/few shot training

Table

Description automatically generated with medium confidence

Three but did not copy the exact sequence given in the in the prompt/few shot training

Graphical user interface, text, application, chat or text message

Description automatically generated

Not to bad if you change a few ones to 0

The above was all my fine-tuned model. It did not really worked

Now with normal davinci and temperature 0:

It works for digits except 6 with 4 few shot trainings

I want GPT-3 to train to create pixel matrixes of simple black and white images. How do I do that? There is no one-size-fits-all answer to this question, as the best way to train GPT-3 to create pixel matrixes of simple black and white images will vary depending on the specific data set and desired results. However, some tips on how to approach this problem include: 1. Start by training GPT-3 on a small data set of simple black and white images. This will help the model learn the basic structure of images and how to represent them in pixel matrix form. 2. As the model trains, gradually increase the size and complexity of the images it is trained on. This will help GPT-3 learn how to handle more complex image structures. 3. Finally, evaluate the model's performance on a large data set of real world images. This will help you determine whether or not G#

Try smarte prompts in natural language:

The task is to generating a black and white image by creating a pixel matrix which consists of 0s and 1s. The matrix should be of the size 8 by 8. Each entry represents a pixel of a black and white image. That means the image has a display capable of 8 pixels in width and 8 pixels in height. Here is an example of an 8 by 8 pixel matrix showing the number 3

00000000

00111110

00000110

00111100

00001110

00000110

00111100

00000000

Please create a pixel matrix in the same format displaying the number 6

For a small university project, I am trying to generate small images from text with GPT-3. My goal is that the completion is a matrix of 0s and 1s which shows the object I asked for in the prompt.

I have been playing around with very simple 8x8 matrixes showing a digit. With few shot training and very simple prompts, I was able to generate digits that were not used in the prompt. However, it was not very consistent and also could not further improve it (e.g, showing smiley faces).

Completely new to GPT-3, I also tried fine tuning it with 500 examples of black and white digits with 28x28 pixels. But after reading the tips by @daveshapautomator I think that I am not ready yet for fine tuning and my task could also be done with better prompts.

So I have played around improving and specifying the prompt. However, it does not generated my desired results.

‘logit\_bias’ = {6342:-10, 1582:-10}. On a technical note, this dictionary can currently contain up to 300 tokens with their biases.

Frozen (Tsimpoukelli et al. 2021) is proposed

to extend such few-shot abilities to vision-and-language

tasks by reusing a pre-trained language model. The visual encoder is trained with

the image captioning task (Sharma et al. 2018), with gradients

being back-propagated from the frozen language model.

Frozen presents the first ever multimodal few-shot learner

Current Prompt in Code:

**Images displayed on a computer screen are actually a collection of dots of color, called pixels. If you look really closely at the screen, you will be able to see the individual pixels. The collection of pixels that make up an image are stored as a matrix.**

**We can represent different objects (e.g., numbers, letters, or shapes) by creating a pixel matrix which consists of 0s and 1s. The matrix should be of the size 8 by 8. Each entry represents a pixel of a black and white image. That means the image has a display capable of 8 pixels in width and 8 pixels in height.**

* **Maybe add something on the line that the objects mostly will be very simplified and it is okay to not get every detail correct**

:

00000000

00110000

00110000

00000000

00000000

00000100

00001010

00000100

Q: Create a pixel matrix that shows a black and white picture of the number seven

A:

00000000

01111110

00001110

00001100

00011000

00110000

01100000

00000000

Q: Make a grid of pixels that form an image of the number eight

A:

00000000

00111100

01100110

00111100

01100110

00110100

00011000

00000000

Q: Show a pixel matrix which represents a white and black image of the number one

A:

00000000

00110000

00011000

00011000

00011000

00011000

00011000

00000000

Q: Create an black and white image showing the number three by outputting a pixel grid of the size 8 by 8

A:

00000000

00111110

00000110

00111100

00001110

00000110

00111100

00000000

Q: Create an black and white image showing the letter H by outputting a pixel grid of the size 8 by 8

A:

00000000

01100110

01100110

01100110

01111110

01100110

01100110

01100110

Q: Create an black and white image showing the letter F by outputting a pixel grid of the size 8 by 8

A:

00000000

01111110

01100000

01000000

01111110

01100000

01000000

01000000

Q: Create an 8 by 8 pixel matrix that shows the a black and white image of a square

A:

00000000

01111110

01111110

01111110

01111110

01111110

01111110

00000000

Q: Create an 8 by 8 pixel matrix that shows the a black and white image of the number seven

A:

00000000

01111110

00000110

00001100

00011000

00110000

01100000

00000000

Q: Create an black and white image showing the number 9 by generating a pixel grid of the size 8 by 8

A:

00000000

01111100

01100100

01111100

00000100

00001100

01111100

00000000

Q: Create an 8 by 8 pixel matrix that shows the a black and white image of black rectangle

A:

00000000

01111110

01111110

00000000

00000000

00000000

00000000

00000000

Q: Create a pixel matrix with 8 pixel width and 8 pixel height displaying a image of an ellipse

A:

00000000

00011000

00100100

01000010

00100100

00011000

00000000

00000000

Q: Create an 8 by 8 pixel matrix that shows the a black and white image of a smiley face

A:

00000000

01100110

00000000

00011000

00000000

01100110

00111100

00000000

Q: Create an 8 by 8 pixel matrix that shows the a black and white image of a question mark

A:

00000000

00111100

01100110

00001100

00011000

00010000

00000000

00010000

Q: Create an 8 by 8 pixel matrix that shows the a black and white image of a {}