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This model is a Stable diffusion XL model (SDXL) fine tune based on Apple emojis.The model is used to create custom emojis, similar in function to Apple’s Genmojis, which allow users to create their own emojis based on their prompting. A good output for this model would be an image in the style of an Apple emoji that accurately depicts the inputted prompt. It was Designed by fofor, for the general public to create emojis.

When testing the model, I was curious about the following questions: How closely does it resemble and apple emoji? How accurately does it depict the inputted prompt? Does it understand another language other than English? How does taking away “emoji of” affect the outputted image?

In order to see how well the model outputs resembled an Apple emoji I input a prompt for something that Apple already has an emoji for: a bowl of ramen. The output image definitely has some similar attributes to an Apple emoji, such as the orange/red broth and noodles being held above the bowl. But varies in the design of the bowl and the inclusion of chopsticks, as the model’s version the noodles are suspended in the air. However, from this test it is clear that the model was trained on Apple’s emojis as the general style matches that of the actual Apple emoji.

A bowl of noodles with text on it

AI-generated content may be incorrect.A bowl of noodle soup with chopsticks

AI-generated content may be incorrect.

I found that the model had much more success at creating emojis of people or things that there are already emojis for or that are based on already existing emojis. I also found however, that it tended to want to create emojis of humans rather than certain things or animals. I tried multiple times to create an “emoji of a robot chicken” and would get strange anthropomorphic looking metal chicken men. It was only until I added the word “animal” to the end of the prompt that I got something that resembled an actual chicken emoji more, but it still has the shape of a human emoji.

A screenshot of a computer

AI-generated content may be incorrect. A robot with a bird head

AI-generated content may be incorrect.

I found that a more straightforward animals were easier for the model to create. Inputting “emoji of yorkie puppy” created what I would consider a very accurate emoji. And the input “emoji of a bird” gave a very generic looking white bird emoji, still similar to Apple emojis in style but an entirely different bird than what Apple offers in their standard set of emojis.

A screenshot of a computer

AI-generated content may be incorrect. A screenshot of a computer

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Furthermore, I tested if the model understood any other languages by inputting prompts in Spanish to see if the model would output an accurate emoji. As you can see inputting “emoji de una mujer con un bebe” produced an emoji of a woman with a baby (with some slight distortion in the baby’s face). This same prompt in English produced a similar looking emoji. So, with this test I concluded that the model knows Spanish, but other languages still need to be tested

A person holding a baby

AI-generated content may be incorrect. A person holding a baby

AI-generated content may be incorrect.

Also, I found that removing the “emoji of” part of the prompt made the output look significantly less like an Apple emoji, even though, according to the huggingface page, this was what the model was trained on. For example, I inputted “emoji of a flying pig” and just “flying pig”. As one can see, the output given for the prompt including “emoji of” part of the prompt looks much more like an Apple emoji. While the prompt without “emoji of" has a background and the pig looks less like the Apple emoji style. This led me to conclude that the “emoji of” part of the input is an important part of the model understanding what it is supposed to produce.

A cartoon of a pig flying

AI-generated content may be incorrect.A screenshot of a computer

AI-generated content may be incorrect.

Lastly, I found that inputting the same prompt multiple times generally produced the same output with some variation in pose and colors of the produced emoji. I tested this by asking for an “emoji of a ballerina” repeatedly. The two examples below are similar in aesthetics and do resemble an Apple emoji with, again, some distortion in the face. So the model is capable of creating more than one successful output with the same prompt.

A screenshot of a computer

AI-generated content may be incorrect. A screenshot of a computer

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