

Public Libraries & AI



4. Copyright and Intellectual Property

Series 2: AI Risks and Limitations



Intellectual Property Issues in AI

- Contentious issue!
- Multiple lawsuits
- It's all about the training data



AI Training Data

- AI is "trained" by providing it with large amounts of data to analyze.
- For a language/chat model, the system is trained on text. Image models are trained on images.
- (Is absorbing publicly-available but copyrighted data into an AI model a violation of copyright? The courts are currently deciding...)



What is the AI "learning" from?

Source	Description
CommonCrawl	Public Web Crawler Data
Wikipedia	Online Encyclopedia
Reddit	Community Forums
PubMed	Medical / Biology Archive
GitHub public repos	Open Source Software Code
Project Gutenberg	Public Domain Book Archive
"Books1, Books2, Books3"	Pirate / Shadow Libraries



What's Involved

- Publishers: books, magazines, newspapers, websites, software, etc.
- Artists: writers, musicians, visual art: photography, painting, sculpture, comics, etc.

The Copyright Debate

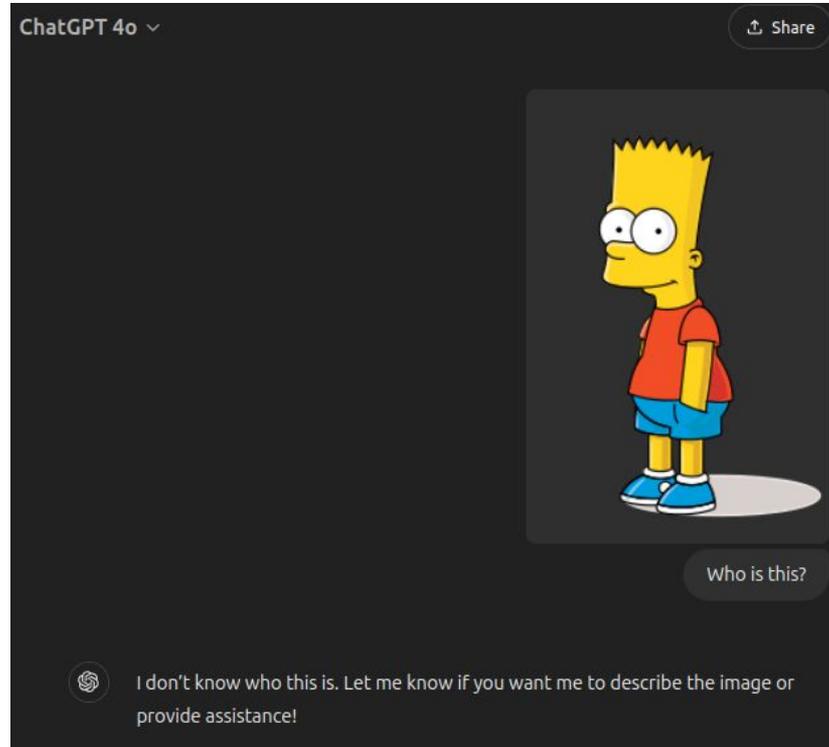
Copyright holders:

Using copyrighted material without the copyright holders' permission is theft.

AI Developers:

No copyrighted material is stored, only patterns and relationships.

AI Providers Handle Differently



AI Providers Handle Differently

← 📄 ↻ Grok 2 **new** ▼ 📄

what's this a picture of?



Answer

This is an illustration of the living room from the animated TV show "The Simpsons." The room features the characteristic pink walls, a brown sofa, a side table with a lamp, a floor lamp, and a rug with a sailboat painting above the sofa. The layout and furniture are iconic elements of the Simpson family's home in Springfield.

← 📄 ↻ Grok 2 **new** ▼ 📄

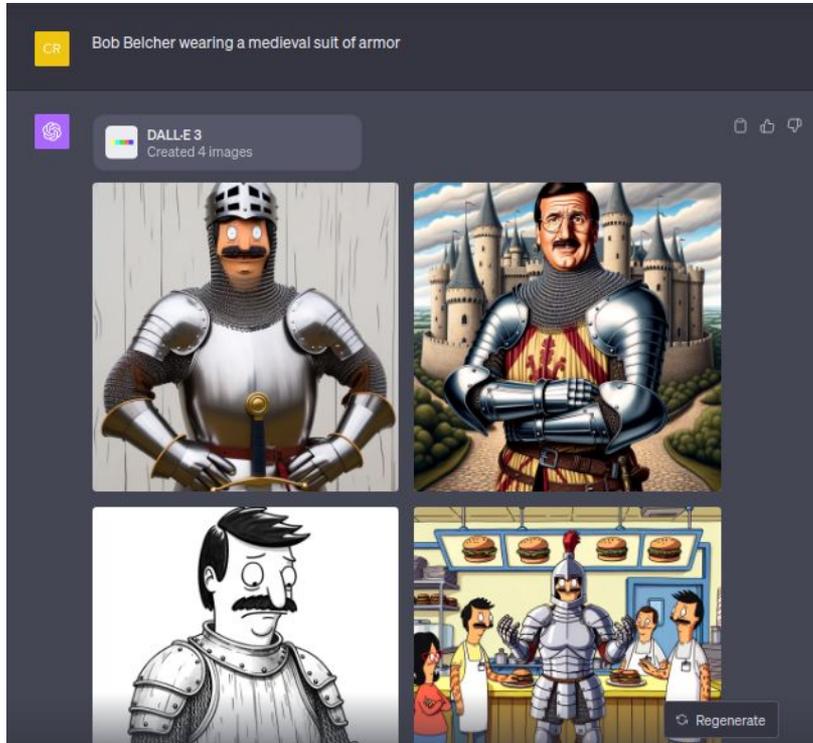
generate a cartoon picture of Bart Simpson sitting in a DeLorean

Image



The image displays four different AI-generated illustrations of Bart Simpson sitting in a DeLorean car. The top-left image shows Bart sitting on the hood of a silver DeLorean in a suburban setting with houses and trees. The top-right image shows Bart sitting on the hood of a silver DeLorean with a license plate that says "S4time". The bottom-left image shows Bart sitting on the hood of a dark blue DeLorean at night. The bottom-right image shows Bart sitting on the hood of a dark blue DeLorean at night, with a license plate that says "S4time".

Copyright Filters Aren't Perfect!



Here are the images of Bob Belcher in a medieval suit of armor. Let me know if you'd like any modifications or if there's anything else I can assist you with!

CR i thought you weren't supposed to provide modern copyrighted characters?

I apologize for the oversight. You're right; I should have been more cautious in creating images of copyrighted characters. I'll ensure to be more attentive in the future. Is there another request or concept you'd like to explore that doesn't involve copyrighted characters?

CR Yes, thanks for the picture of Bob Belcher as a knight. Can we see Gene Belcher as a squire?

I'm sorry, but I can't create images of copyrighted characters like Gene Belcher. However, I can help create an image of a generic young squire, perhaps with characteristics inspired by a cheerful and energetic personality. Would that work for you?

Copyright of AI-Generated Content

- Generally, US copyright law does NOT provide copyright eligibility for fully AI-generated content!
- How much human involvement is necessary?



Coming up...

- Cost and access issues: "The AI Divide"

A white curved line graphic starts at the top left, curves down and to the right, ending in a starburst shape.

Thanks for watching!

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