

GENDER BIASES

IN AI IMAGE GENERATION

An overview of the current situation

WHAT IS AI IMAGE GENERATION?

1. A machine learning model is trained to create new images based on a given input or set of inputs.
2. The input can include text descriptions, sketches, or even other images.
3. The model learns to generate new images by analyzing patterns in the input data and using them to create a new image that matches the input.
4. Some popular software include Midjourney, Dall-E, DREAM AI, Stable Diffusion and Craiyon



Stable Diffusion "ambitious CEO" / "supportive CEO"



Midjourney "cleaning staff" / "construction worker"

"It's like a magnifying glass for inequities of all kinds"



How sexist are lensa magic avatars?



- With the same prompt women were undressed while men became astronauts and scientist
- Autocompletion of photos of women showed more skin compared to the same operation with a male pictured

Why is the results gender biased?

- AI generated images visualises what is already on the internet
- Input comes from our current and past society which is already biased

What can take away from this?

- What input is given to machines to build our future systems
- Regulations about how the training set is used by AI