

# Self-cannibalizing AI

Artistic Strategies to expose generative text-to-image models

Academy of Media Arts Cologne

[ ] Ground-Zero (Experimentelle Informatik)

<https://ground-zero.khm.de/>

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corresponding probabilities  
(SoftMax)

Smoked Salmon : 0.01

**Schnitzel : 0.29**

Jollof rice : 0.04

Tajine : 0.01

**Macaroni and cheese : 0.29**

Pizza : 0.02

Nasi Lemak : 0.03

Fried Rice : 0.06

Katsudon : 0.01

Crepe : 0.20

hotpot : 0.03



corresponding probabilities  
(SoftMax)

African : 0.01

Caribbean : 0.02

Indian : 0.11

Melanesian : 0.10

Australasian/Aboriginal : 0.02

**Chinese : 0.24**

Japanese : 0.13

Korean : 0.06

Polynesian : 0.00

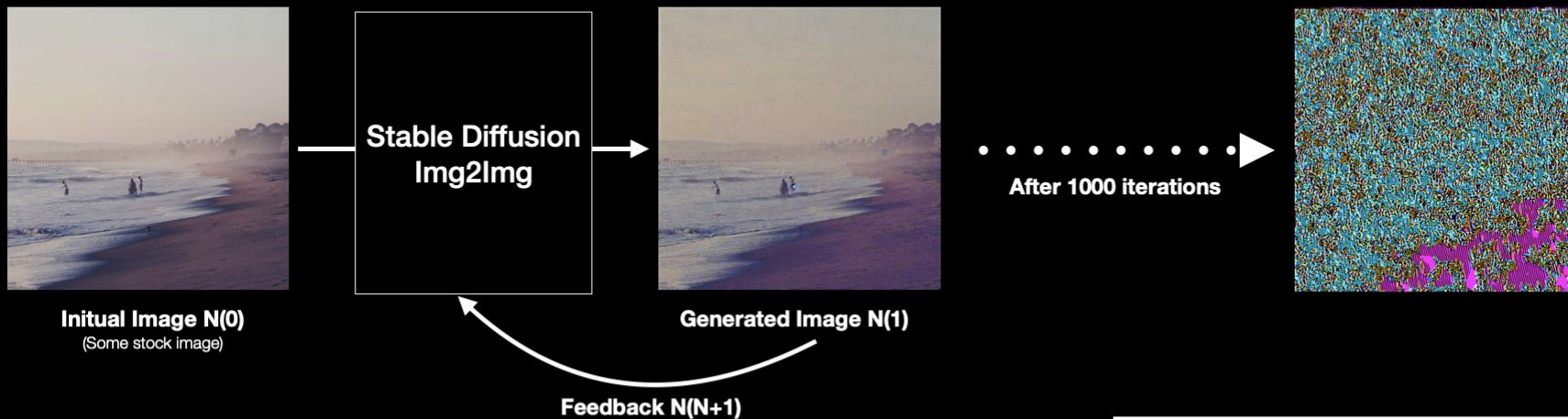
**European : 0.28**

Latin American : 0.02

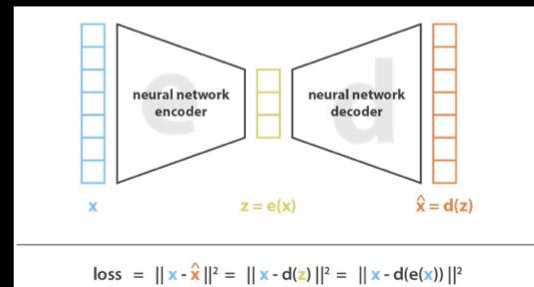
Arabic : 0.01

# Variational Autoencoder

Stable diffusion do variational autoencoder (VAE) from high dimension RGB image space encode into a smaller latent subspace. Then it does diffusion in the latent space, then use image decoder to decode it back as image



```
m = AI('stable_diffusion')
For i -> 1000:
  i++
  latents = m.vae.encode(img=image)
  image = m.vae.decode(latents)
  image.save("image.png")
```



Ravensburger 16445 Riverside Kingdom 750 Piece  
Large Pieces Jigsaw Puzzle for Adults - Every Piece

Color by Attribute: Domain

[https://images-na.ssl-images-amazon.com/images/I/A1Wbr9ENIeL.\\_AC\\_SL1500\\_.jpg](https://images-na.ssl-images-amazon.com/images/I/A1Wbr9ENIeL._AC_SL1500_.jpg)



Aesthetic Score:

6,423243

NSFW:

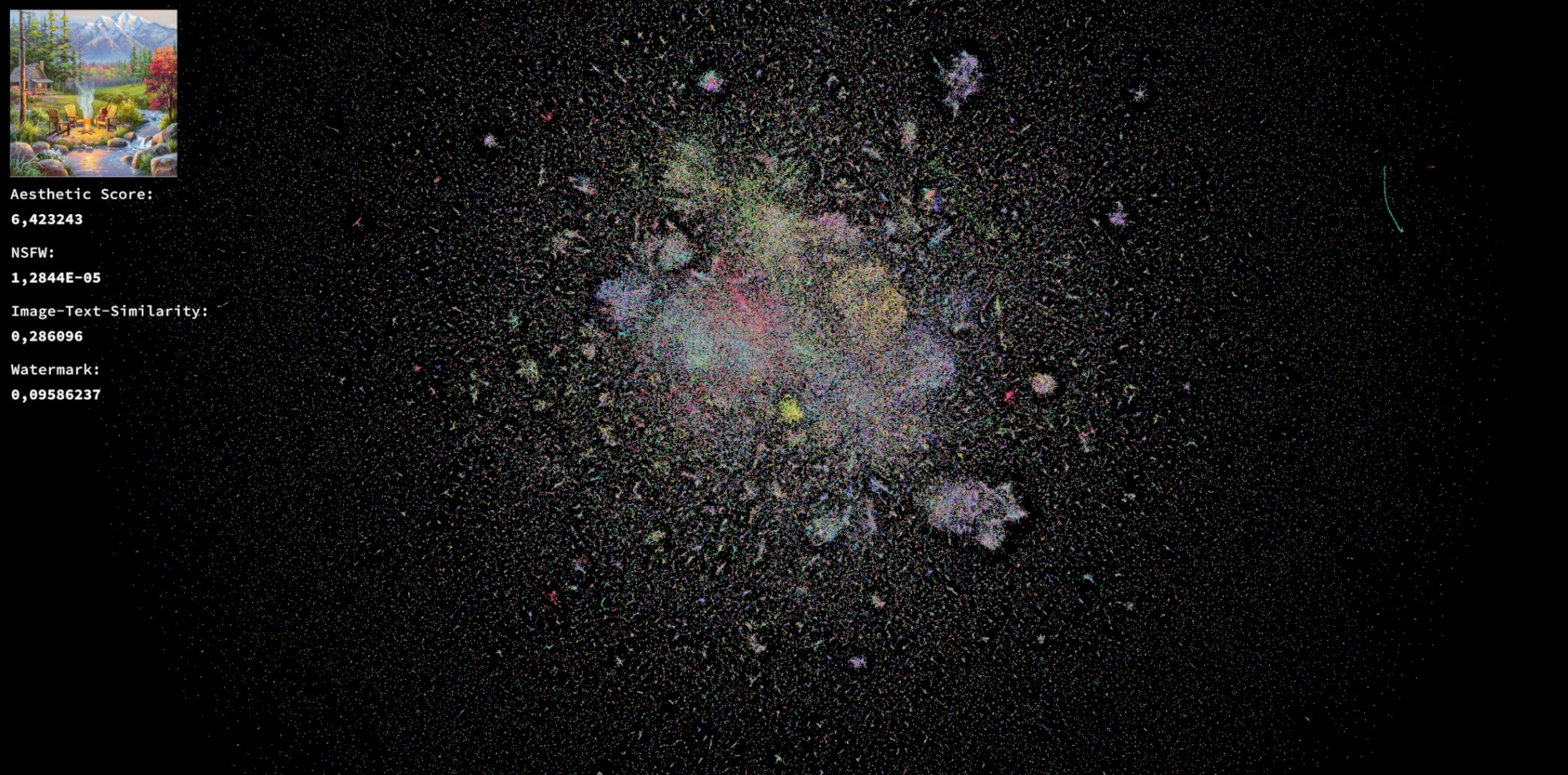
1,2844E-05

Image-Text-Similarity:

0,286096

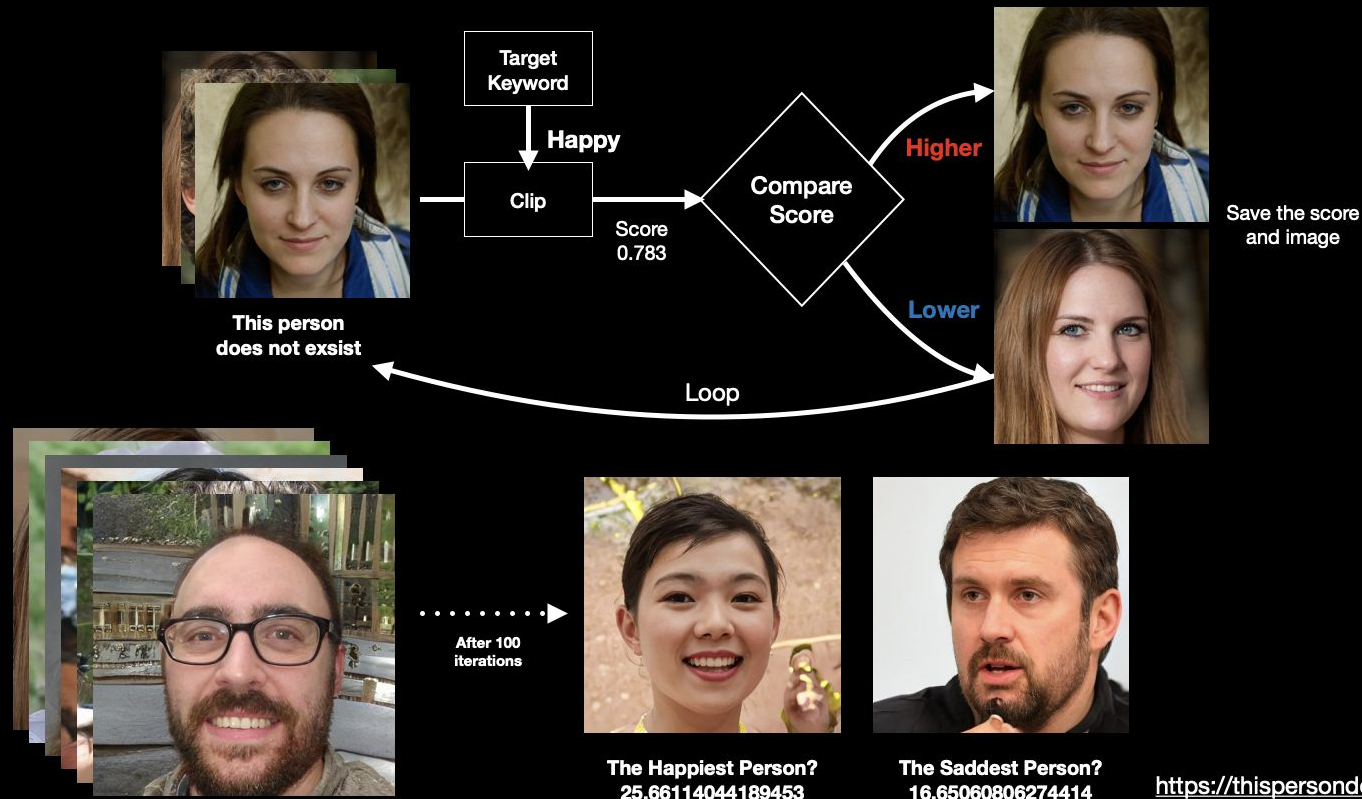
Watermark:

0,09586237



# Interrogating Clip Interrogator

A loop to find the min/max of each possible score depending on the input keyword



Source

<https://thispersondoesnotexist.com/> (styleGAN)

Highest

Pedro



25.1030979156

Nurse



25.4407119750

Schnizel



22.5551242828

Bridge



26.0703430175

Vacation



25.0594272613

Art



24.9875774383



15.6213474273



16.4688758850



14.3360404968



16.4253807067



15.3237085342



15.9116516113

Lowest