

Week 9 Learning Activities

Explain the roles of the generator and the discriminator in a GAN

Generator: The generator's role is to create new, synthetic data instances that resemble real data. During training, the generator learns to improve its output by making it look increasingly like the real data to trick the discriminator. Its goal is to minimize the probability that the discriminator correctly distinguishes between real and fake data.

Discriminator: The discriminator's role is to act as a binary classifier that determines whether a given data instance is real or fake. It learns to improve its classification ability, aiming to maximize the probability of correctly identifying real versus generated data.

Create an artwork by manipulating the latent space to generate unique facial features

https://colab.research.google.com/drive/13Rl0Z83q6Andqk5a5WXq7QDkEih35FL2#scrollTo=6cPY9Ou4sWs_

Create an artwork of any kind that fits your interests. You can use any GAN project on the internet or develop it yourself

https://colab.research.google.com/drive/13Rl0Z83q6Andqk5a5WXq7QDkEih35FL2#scrollTo=6cPY9Ou4sWs_