

GANs?

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**Welcome back
everyone!!!**

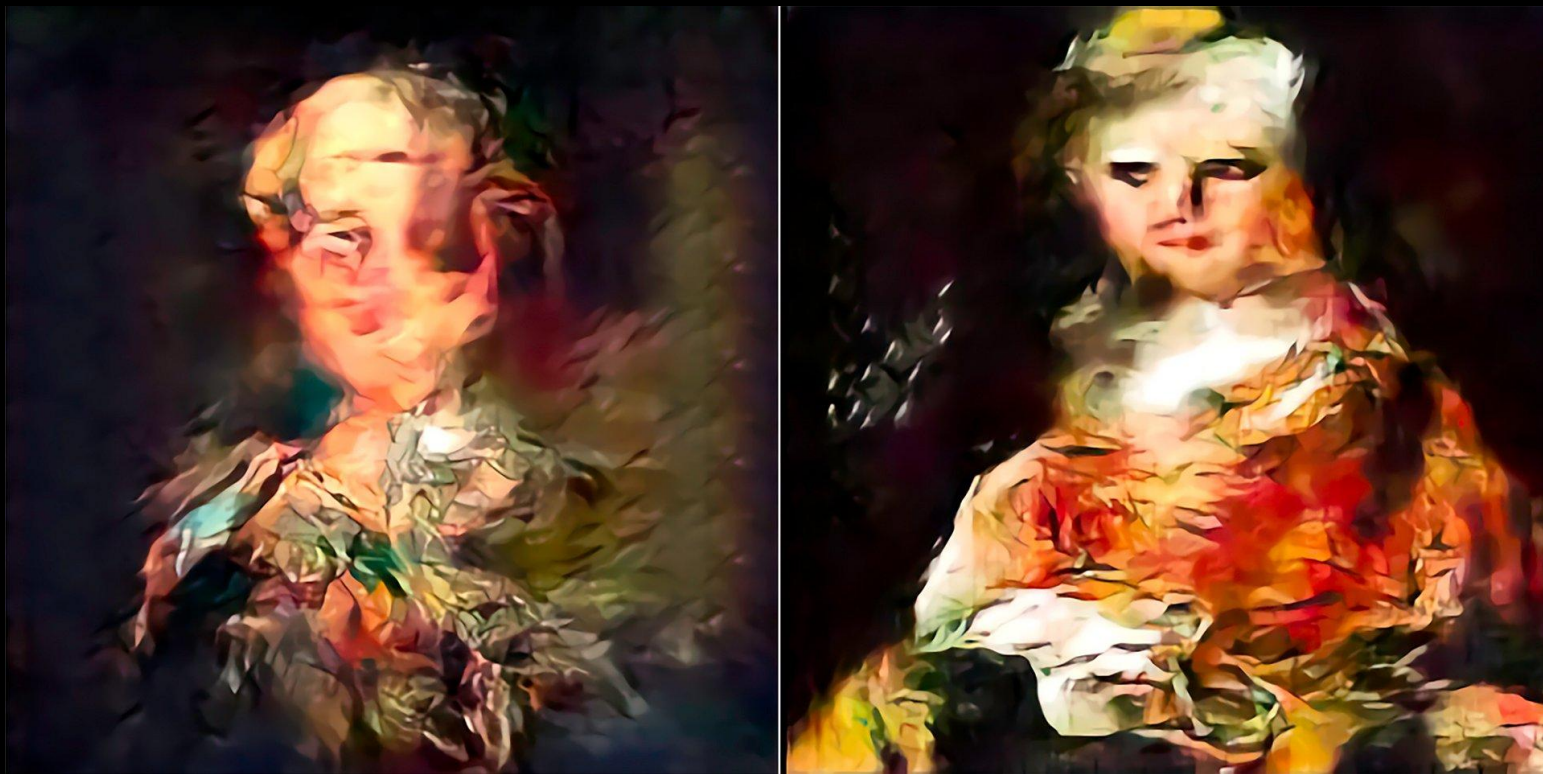
**Last lesson for
this module.**

Anyone done/doing their essay?



**Do book an office hour
session with me!**

**Check the futures
slack group chat.**

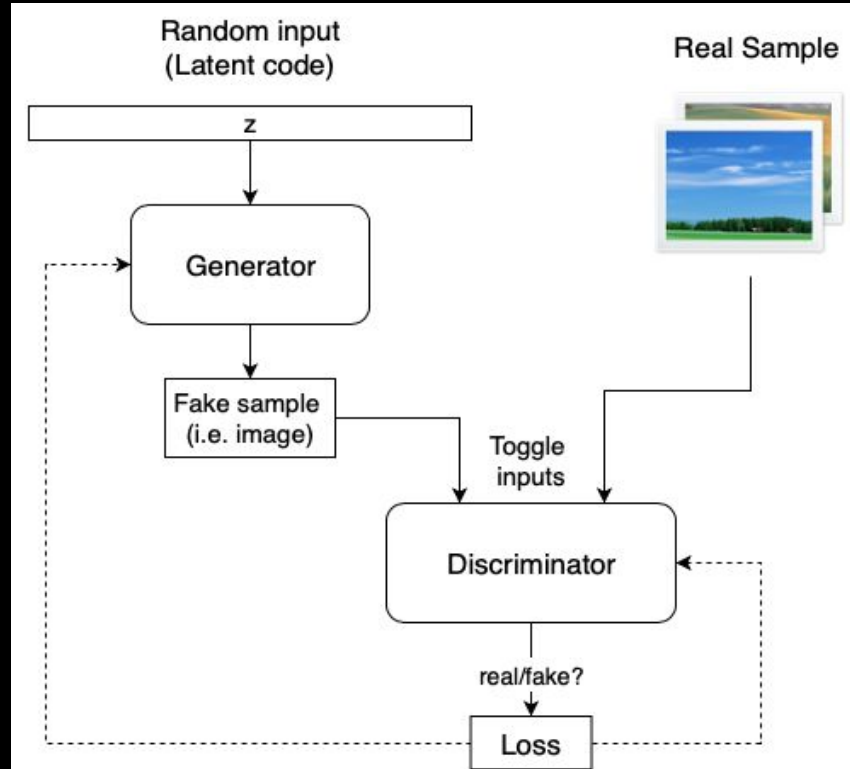


AI art made with GANs

Today, our focus is
on GANs (Generative
Adversal networks)

Generative Adversarial Network

Neural networks that learn to choose samples from a special distribution (the "generative" part of the name), and they do this by setting up a competition (hence "adversarial").



GANs goals are to synthesize images, that are indistinguishable from real images.



How does AI art stack
up against Human art?

Vice



The Hypnotic Allure of the AI Art Generator

Sotheby's



We Attended an AI's First Art Exhibit in NYC – Future Blink

Mashable



Ian Goodfellow
@goodfellow_ian



4 years of GAN progress (source: eff.org/files/2018/02/...)



2014



2015



2016



2017

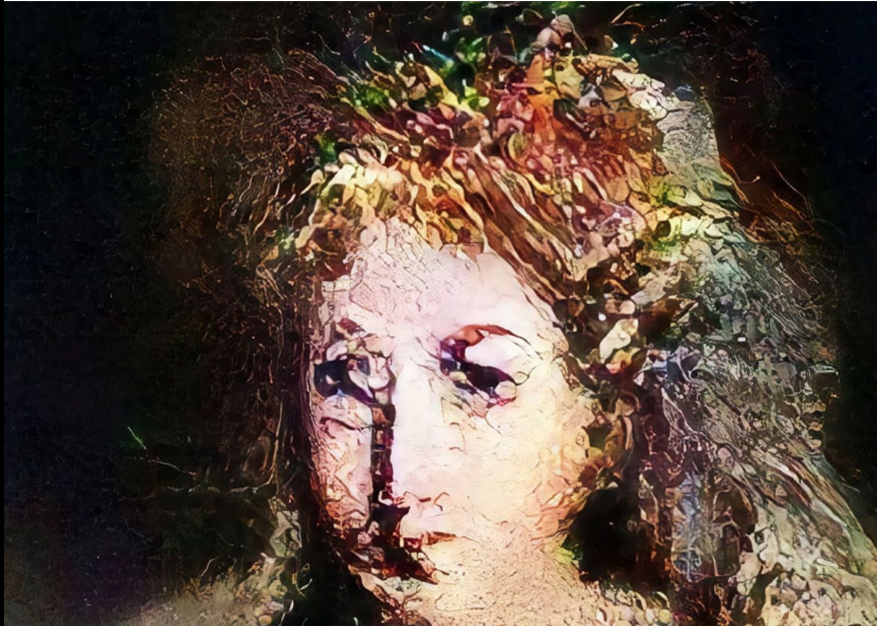
10:26 PM · Mar 2, 2018 · [Twitter for iPhone](#)

1.1K Retweets **2.9K** Likes

Arts

Who should get the credit for AI art?

Updated 3rd April 2019



AI Is Blurring the Definition of Artist

BY AHMED ELGAMMAL

Advanced algorithms are using machine learning to create art autonomously.

Art

This Art Has Been Created by AI. Will Collectors Want It?

The first-ever auction of art made by artificial intelligence sold for more than 40 times estimates, so a second blockbuster would prove the appetite from collectors.

**Let's try out a
GAN.**



StyleGAN

Created by Nvidia

Picture is from a blog
“Animating gAnime with
StyleGAN”

StyleGAN

Produces high-quality and realistic images

Allows for superior control and understanding of generated images, making it even easier than before to generate believable fake images

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Runway ML

Our goal

Download and set up runway and get
used to it!

**Slide here
for a Break**



Coding Challenge #150: AI Rainbows with Runway and p5.js

Daniel Schiffman

**Class done.
You are free!**