Generative Adversarial Network Painter

ATELIER MACHINE LEARNING 25/03/2019

Atelier Machine Learning Brest

ALLOHa | Advanced Living Lab For Ocean Hacks

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Lien ALLOHa

Données, présentations & notebooks:

https://amlb.github.io

Speaker self-promotion slide

Erwan KERIBIN

Brestois de naissance

Ecole d'ingé (ENSIIE - Evry) + master d'IA (UPMC - Paris)

Freelance Dev depuis fin 2017

Inspiration

Generative Adversarial Networks (GAN)

Generative Adversarial Nets, Ian J. Goodfellow et al., 2014

Style transfer

A Neural Algorithm of Artistic Style, Leon A. Gatys, Alexander S. Ecker, Matthias Bethge 2015

Le dataset

https://www.kaggle.com/c/painter-by-numbers

37Go train / 12 Go test

999 (~1000) plus petites images impressionistes ~80Mo

Style transfer

[Medium: Making AI Art with Style Transfer using Keras](#)

Autoencoder CNN

GAN Painter