آشنایی با GAN ها

<https://towardsdatascience.com/understanding-generative-adversarial-networks-gans-cd6e4651a29>

دوره سایت Coursera برای یادگیری کامل این موضوع (میتونید رایگان Audit کنید دوره رو و شرکت کنید.)

<https://www.coursera.org/learn/build-better-generative-adversarial-networks-gans/home/welcome>

دوره شبکه های عصبی از ابتدا با پایتون

<https://www.youtube.com/playlist?list=PLQVvvaa0QuDcjD5BAw2DxE6OF2tius3V3>

Stylegan2-ada-pytorch:

<https://github.com/dvschultz/stylegan2-ada-pytorch/tree/flesh>

<https://colab.research.google.com/github/dvschultz/stylegan2-ada-pytorch/blob/main/SG2_ADA_PyTorch.ipynb#scrollTo=jG7ZEc_982io>

<https://keras.io/examples/generative/stylegan/>

<https://towardsdatascience.com/generating-your-own-images-with-nvidia-stylegan2-ada-for-pytorch-on-ampere-a80fab52d6b5>

<https://towardsdatascience.com/how-to-train-stylegan2-ada-with-custom-dataset-dc268ff70544>

<https://towardsdatascience.com/generating-anime-characters-with-stylegan2-6f8ae59e237b>

StyleGan3:

<https://github.com/NVlabs/stylegan3>

<https://github.com/jeffheaton/t81_558_deep_learning/blob/master/t81_558_class_07_1_gan_intro.ipynb>

گوگل کولب (Colab) برای آشنایی و یادگیری

<https://colab.research.google.com/>

دیتاست دوچرخه های پیش پردازش شده:

<https://www.dropbox.com/s/p51bd1muw11c06m/full-bike-network-snapshot-004096.pkl>

استفاده از دیتاست خودتان برای پردازش در (StyleGan)

<https://colab.research.google.com/github/jeffheaton/present/blob/master/youtube/gan/colab_gan_train.ipynb#scrollTo=f8MgNQpAGYBv>

<https://www.youtube.com/watch?v=kbDd5lW6rkM>

<https://www.youtube.com/watch?v=L3JLzoe-dJU>

<https://www.youtube.com/watch?v=ou2d4pQnnlA>

<https://www.youtube.com/watch?v=R546LYsQk5M&list=PLjy4p-07OYzulelvJ5KVaT2pDlxivl_BN>

<https://colab.research.google.com/github/dvschultz/stylegan2-ada-pytorch/blob/main/SG2_ADA_PyTorch.ipynb#scrollTo=jG7ZEc_982io>

بهبود داده های خروجی:

<https://www.youtube.com/watch?v=5XX4uy9Mk9I&list=WL&index=55&t=821s>

<https://www.youtube.com/watch?v=goQzp8QSb2s>

<https://colab.research.google.com/github/jeffheaton/t81_558_deep_learning/blob/master/t81_558_class_07_3_latent_vector.ipynb#scrollTo=L2fejML3tCfv>

ذخیره سازی و ادامه یادگیری دیتا

<https://github.com/jeffheaton/t81_558_deep_learning/blob/master/t81_558_class_13_02_checkpoint.ipynb>

جلوگیری از قطع شدن گوگل کولب

<https://stackoverflow.com/questions/57113226/how-to-prevent-google-colab-from-disconnecting>

نمونه ای از کاربرد ها:

<https://www.instagram.com/styletransfer/>

داده های از قبل پردارش شده (Pretrained StyleGan)

<https://github.com/justinpinkney/awesome-pretrained-stylegan>

<https://github.com/justinpinkney/awesome-pretrained-stylegan2>

<https://github.com/justinpinkney/awesome-pretrained-stylegan3>

ابزار ها

* Dataset Tools

1. <https://github.com/dvschultz/dataset-tools>
2. <https://www.youtube.com/watch?v=HgSfKfBMAaY>
3. <https://www.youtube.com/watch?v=tUzUJNrSAu8>

* CLIP

1. <https://colab.research.google.com/drive/1ALyz-bRhVsQvnsQdAuVITMiJo4ZiAjwq?usp=sharing#scrollTo=bO9RZAJ5YvPf>
2. <https://github.com/openai/CLIP>

* Instagram Scraper

1. <https://github.com/aahouzi/Instagram-Scraper-2021>

* Align Faces

<https://github.com/dvschultz/stylegan2-ada-pytorch/blob/flesh/Align_Faces.ipynb>

سایت Kaggle

<https://www.kaggle.com/>