UDACITY

Generate Faces

REVIEW	CODE REVIEW	HISTORY

Requires Changes

3 SPECIFICATIONS REQUIRE CHANGES

👏 Congrats!

You have done a great job so far and I really appreciated reviewing your project! Just some minor modifications! You are on your way! I am very confident you get a positive review on the next submission! 🤗

If you are interested in more reading on GANs, have a look at one or more of these links:
Here there is a great video about GAN: https://www.youtube.com/watch?v=X1mUN6dD8uE
I recommend checking the Google Python Style Guide, there are great tips about how to improve coding, in general: https://google.github.io/styleguide/pyguide.html
GANs for beginners video: https://www.oreilly.com/learning/generative-adversarial-networks-for-beginners

Advanced tips:
How to Train a GAN: https://github.com/soumith/ganhacks
How to to select the batch_size vs the number of epochs: https://stats.stackexchange.com/questions/164876/tradeoff-batch-size-vs-number-of-iterations-to-train-a-neural-network
GAN stability: http://www.araya.org/archives/1183
MNIST GAN with Keras: https://medium.com/towards-data-science/gan-by-example-using-keras-on-tensorflow-backend-1a6d515a60d0
DCGAN : https://github.com/yihui-he/GAN-MNIST, https://github.com/carpedm20/DCGAN-tensorflow
DiscoGAN, Discover Cross-Domain Relations with Generative Adversarial Networks:
https://github.com/carpedm20/DiscoGAN-pytorch
beta1 values: https://arxiv.org/pdf/1511.06434.pdf
WGANs: https://paper.dropbox.com/doc/Wasserstein-GAN-GvU0p2V9Thzdv-X2PbbaB7

Good articles :
https://blog.openai.com/generative-models/
https://medium.com/@ageitgey/abusing-generative-adversarial-networks-to-make-8-bit-pixel-art-e45d9b96cee7

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