UDACITY

< Return to "Deep Learning" in the classroom

Generate Faces

REVIEW

CODE REVIEW

HISTORY

Meets Specifications

Congratulations! 🎉 You've passed this project. Fantastic Work here!! This is a great submission. Your concepts of DCGAN are crystal clear. I've suggested a few more tips.

Also, keep studying about the topic as this is just the beginning. I have also given some more **tips** to further improve your project.

Moreover, here're a few resources to help you continue this wonderful journey:

- How to Train a GAN: https://github.com/soumith/ganhacks
- Stability of GANs: 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
- https://blog.openai.com/generative-models/
- https://medium.com/@ageitgey/abusing-generative-adversarial-networks-to-make-8-bit-pixel-art-e45d9b96cee7

I really hope you enjoyed studying Deep Learning, the hottest topic in AI right now, here with Udacity 😄

Until next time! Have an amazing time working with neural nets.

Required Files and Tests

The project submission contains the project notebook, called "dlnd_face_generation.ipynb".

All the unit tests in project have passed.

Build the Neural Network

The function model_inputs is implemented correctly.

The function discriminator is implemented correctly.

The function generator is implemented correctly.

The function model_loss is implemented correctly.

The function model_opt is implemented correctly.

Neural Network Training

The function train is implemented correctly.

- It should build the model using `model_inputs`, `model_loss`, and `model_opt`.
- It should show output of the `generator` using the `show_generator_output` function

The parameters are set reasonable numbers.

The project generates realistic faces. It should be obvious that images generated look like faces.

DOWNLOAD PROJECT