Check out some non-existent people!

Curious to see people who were generated by a GAN? Check it out! <https://www.thispersondoesnotexist.com/>

Pre-trained Model Exploration

Explore some cool GANs in an interactive way here—over the GANs specialization, you'll learn how these work and how you might apply them!

<https://colab.research.google.com/github/https-deeplearning-ai/GANs-Public/blob/master/C1W1_(Colab)_Pre_trained_model_exploration.ipynb>

Inputs to a Pre-trained GAN

Learn about what the inputs to a GAN mean and how they affect its output!

<https://colab.research.google.com/github/https-deeplearning-ai/GANs-Public/blob/master/C1W1_(Colab)_Inputs_to_a_pre_trained_GAN.ipynb>

# Works Cited

All of the resources cited in Course 1 Week 1, in one place. You are encouraged to explore these papers/sites if they interest you! They are listed in the order they appear in the lessons.

From the videos:

* Hyperspherical Variational Auto-Encoders (Davidson, Falorsi, De Cao, Kipf, and Tomczak, 2018): <https://www.researchgate.net/figure/Latent-space-visualization-of-the-10-MNIST-digits-in-2-dimensions-of-both-N-VAE-left_fig2_324182043>
* Analyzing and Improving the Image Quality of StyleGAN (Karras et al., 2020): <https://arxiv.org/abs/1912.04958>
* Semantic Image Synthesis with Spatially-Adaptive Normalization (Park, Liu, Wang, and Zhu, 2019): <https://arxiv.org/abs/1903.07291>
* Few-shot Adversarial Learning of Realistic Neural Talking Head Models (Zakharov, Shysheya, Burkov, and Lempitsky, 2019): <https://arxiv.org/abs/1905.08233>
* Learning a Probabilistic Latent Space of Object Shapes via 3D Generative-Adversarial Modeling (Wu, Zhang, Xue, Freeman, and Tenenbaum, 2017): <https://arxiv.org/abs/1610.07584>
* These Cats Do Not Exist (Glover and Mott, 2019): <http://thesecatsdonotexist.com/>

From the notebooks:

* Large Scale GAN Training for High Fidelity Natural Image Synthesis (Brock, Donahue, and Simonyan, 2019): <https://arxiv.org/abs/1809.11096>
* PyTorch Documentation: <https://pytorch.org/docs/stable/index.html#pytorch-documentation>
* MNIST Database: <http://yann.lecun.com/exdb/mnist/>