Compelled to learn more about CycleGAN? Take a look at the original paper!

Unpaired Image-to-Image Translation using Cycle-Consistent Adversarial Networks (Zhu, Park, Isola, and Efros, 2020): <https://arxiv.org/abs/1703.10593>

Intrigued by the application of CycleGANs in the medical field? See how they can be used to help augment data for medical imaging!

Data augmentation using generative adversarial networks (CycleGAN) to improve generalizability in CT segmentation tasks (Sandfort, Yan, Pickhardt, and Summers, 2019): <https://www.nature.com/articles/s41598-019-52737-x.pdf>

All of the resources cited in Course 3 Week 3, 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:

* Image-to-Image Translation with Conditional Adversarial Networks (Isola, Zhu, Zhou, and Efros, 2018): <https://arxiv.org/abs/1611.07004>
* Unpaired Image-to-Image Translation using Cycle-Consistent Adversarial Networks (Zhu, Park, Isola, and Efros, 2020): <https://arxiv.org/abs/1703.10593>
* PyTorch implementation of CycleGAN (2017): <https://github.com/togheppi/CycleGAN>
* Distribution Matching Losses Can Hallucinate Features in Medical Image Translation (Cohen, Luck, and Honari, 2018): <https://arxiv.org/abs/1805.08841>
* Data augmentation using generative adversarial networks (CycleGAN) to improve generalizability in CT segmentation tasks (Sandfort, Yan, Pickhardt, and Summers, 2019): <https://www.nature.com/articles/s41598-019-52737-x.pdf>
* Unsupervised Image-to-Image Translation (NVIDIA, 2018): <https://github.com/mingyuliutw/UNIT>
* Multimodal Unsupervised Image-to-Image Translation (Huang et al., 2018): <https://github.com/NVlabs/MUNIT>

From the notebooks:

* PyTorch-CycleGAN (2017): <https://github.com/aitorzip/PyTorch-CycleGAN/blob/master/datasets.py>
* Horse and Zebra Images Dataset: <https://people.eecs.berkeley.edu/~taesung_park/CycleGAN/datasets/horse2zebra.zip>