



Deep Convolutional GANs

- ✓ **Video:** Welcome to Week 2
50 sec
- ✓ **Video:** Activations (Basic Properties)
4 min
- ✓ **Video:** Common Activation Functions
6 min
- ✓ **Video:** Batch Normalization (Explained)
5 min
- ✓ **Video:** Batch Normalization (Procedure)
5 min
- ✓ **Video:** Review of Convolutions
3 min
- ✓ **Video:** Padding and Stride
3 min
- ✓ **Video:** Pooling and Upsampling
5 min
- ✓ **Video:** Transposed Convolutions
2 min
- ✓ **Reading:** (Optional) A Closer Look at Transposed Convolutions
40 min
- ⌂ **Programming Assignment:** Deep Convolutional GAN (DCGAN)
3h
- ✓ **Reading:** (Optional) The DCGAN Paper
40 min
- ✓ **Reading:** Works Cited
5 min



Works Cited

All of the resources cited in Course 1 Week 2, in one place. You are encouraged to explore these papers/sites if they interest you—for this week, both papers have been included as optional readings! They are listed in the order they appear in the lessons.

From the videos:

- Deconvolution and Checkerboard Artifacts (Odena et al., 2016): <http://doi.org/10.23915/distill.00003>

From the notebook:

- Unsupervised Representation Learning with Deep Convolutional Generative Adversarial Networks (Radford, Metz, and Chintala, 2016): <https://arxiv.org/abs/1511.06434>
- MNIST Database: <http://yann.lecun.com/exdb/mnist/>

✓ Complete

Go to next item

